Yahoo Group Archive: DrakeRadio (2018)

Yahoo Group summary: Drake Radios

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2018. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2018-01-01 through 2018-05-29

Source WARC: drakeradio.EYFOPdl.warc.gz

Source item: https://archive.org/details/yahoo-groups-2018-06-01T00-05-23Z-e1e146

Messages included in this PDF: 2110

Message records with no body available in the source archive: 3

Messages omitted as spam from this PDF: 24

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

42378. No Plate Dip but Nominal Output, just at plate peak @410ma

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 00:46:42 UTC
From: Stephen Thompson
Topic: 42360 Message: 42378

Thanks again, Richard for the good notes to follow for troublshooting.

Here's what I've got. This is a TR-4C, built in late 1977 with all its caps updated.. The AC-4 power supply was built about the same time and has the necessary updated circuitry. All has functioned normally until this last week when I noticed Drakes recommended tuning procedure no longer produced a dip in the plate at what still produces normal knob positions and normal indicated output at completion of the tuneup procedure. About the same time this week the bias got a little flaky, not always there at 100ma to start the tuneup. I found I could perk it up again by nudging the plate around or reviving it on 40 meters then coming back to 20m for a new tuneup attempt as originally planned. With that said, I'm still able to operate the rig on 20m after this little bit of sweet-talking and then still getting good reports on the air as always.

That's the situation. Curious if now with this re-write if these symptoms read different to you or anyone else since my originally post.
Thanks again, Richard.

and... HAPPY NEW YEAR!
Steve
K5PK

On Sun, 12/31/17, Richard Knoppow <1oldlens1@...> wrote:

Subject: Re: [DrakeRadio] No Plate Dip but Nominal Output, just at plate peak @410ma
To: "Stephen Thompson" <v2positiverate@...>
Cc: DrakeRadio@yahoogroups.com
Date: Sunday, December 31, 2017, 4:04 PM

    Not sure which rig this is.
I though it was a T4 but its obviously a
TR-something. I don't think its the bias.
If the bias supply fails the
plate current
becomes very high. However, its easy enough to check. You

can operate the power supply when its
disconnected from the rig. There
is a
diagram in the handbook on p.39. Connect an insulated
jumper
between pins 1 and 2 of the plug.
This takes the place of the power
switch.
Then check the bias voltage between pins 5 (bias) and 6
(ground). You should see somewhere between
about -45 and -65 volts,

maybe a little
more. It should vary with the bias adjustment on the back

of the supply. If its there you are OK but
you should check the other
voltages at
their supply pins while you are at it. Also make sure that

flexing the cable and connector do not
interrupt any voltage.
    No output from
the transmitter can mean its not getting B+ to the
plates or screens or both. I would check at the
tube sockets. While you
can check at the
inside of the power supply socket on the rig the
spacing is very small so its easy to short the
HV with the meter probe.
    Be very
careful making these measurements because the voltages are

quite high, especially the plate voltage,
with enough current capability
in the
supply to kill you. If you are missing one of these voltages
it
will shut off the final amplifier.
    Note that the 100mA resting current of
the tubes is DC, no RF drive
is needed, so
if the tubes do not draw current when keyed it is a DC
problem, not an RF problem. If its intermittent
it means one or another
of the supplies is
intermittent. Can be several things but you can
probably trace it with the power off and supply
disconnected using an
ohm meter to check
the continuity of the supply circuits. Also, measure
current across one of the cathode resistors.
The problem _can_ be in the
metering
circuit but current will still show up on the cathode
resistors. If output drops at the same time its
more likely a supply
problem. Use the ohm
meter and wiggle wires and connections to find what
is opening up. Will probably (from the
symptoms) be something that is
common to
all three tubes. If only one tube cuts off there there will

still be current from the others. Can be an
intermittent solder joint,
cracked
resistor, intermittent choke, feed through cap (unlikely but

don't overlook it). The ohm meter
will usually find what is wrong
without the
hazard of working with the HV going.

Report back on what you find. There are lots of active
trouble
shooters here who will help find
out what the problem is.
    You may have
identified the rig earlier and I missed it, won't hurt

to do it again.

Also, what instruments do you have available? Most of this
can be
done with a Harbor Freight cheapy
VOM (can't say Radio Shack any more).

On 12/31/2017 12:01 PM, Stephen Thompson
wrote:
> Hi Richard.. thanks for your
pointers too. Another funny symptom that is not always
present.. is the .1 amp bias isn't always present to
begin PA tune up. Sometimes I'll start a tune up on
40m then go back to 20m where the bias was missing and then
start my 20m tune up again as I first intended then
everything seems normal. I guess I'm not quite done
performing this rigs face lift. I don't have a scope
or another receiver.. so I guess I'll get her close to
neutralized on 20 and then finish Drakes procedure on ten as
they suggest.
>
>
Thanks again,
> Steve
> K5PK

--
Richard Knoppow
1oldlens1@...
WB6KBL

42379. Re: New antenna [DrakeRadio] No Plate Dip but Nominal Output, just at plate peak @410ma

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 01:07:11 UTC
From: Stephen Thompson
Topic: 42379 Message: 42379

Hi again Richard

I fully concur with your recommended tuneup philosophy. The only thing I haven't mentioned is that I recently installed a new antenna from "MyAntenna". It's a 10 - 40m End Fed Half Wave and it is grounded. My station is on an upper floor so I don't have the rig grounded and sometimes feel a tiny bite of RF on my telegraph key. Thought I'd share that with you too in case that might play a part in your thinking.

Again.. thanks for being such a big help.
73
Steve
K5PK

On Sun, 12/31/17, Richard Knoppow <1oldlens1@...> wrote:

Subject: Re: [DrakeRadio] No Plate Dip but Nominal Output, just at plate peak @410ma
To: DrakeRadio@yahoogroups.com, "Stephen Thompson" <v2positiverate@...>
Date: Sunday, December 31, 2017, 5:47 PM

    Hang on here a minute... I
think I have been posting nonsense base
on
incomplete reading of this question. My excuse is I am
getting over
pneumonia.

  Now, a couple of questions for Stephen:
    A which rig is this, a TR-something I
would guess.
    Two, when tuning up do
you get a plate dip with the plate loading at
minimum?
    The procedure is
to start with minimum loading and dip the plate.
You _should_ get a very definite dip. Then
increase the loading a bit,
power should
come up some. Then dip the plate again, then alternate
between increasing loading and dipping the
plate until the power is at
maximum.
    Now the important part, at high loading
the plate dip will not be as
pronounced as

at minimum load and will become shallower as the load is
increased. Finally, at the load setting for
maximum power the dip will
be very shallow
but the output power will still show a peak at
resonance. I would still dip the plate last
even if its hard to see.
    The reason
for this has to do with the loaded Q of the plate tank.

The load really sets the impedance match to
the antenna. The more power
the antenna (or
dummy load) absorbs the lower the resonant Q and the
shallower the dip. So this is normal for any
transmitter.
    If it is NOT showing a
dip at minimum load there is something wrong.
    Now, somewhere along the line I thought
you began to ask about bias
and were saying
you got no indication of plate load when keying. Did I
make this up (if so look out Dave Barry). If
not see my later posts on
trouble
shooting.
    Now, if you DO find the
plate setting for maximum output does not
coincide with a dip in the plate current then
there may be a problem
with
neutralization. Note that the exact setting for the dip
may vary a
little with loading but this
also has to do with the effect of the
antenna load on the plate tank. It should not
be much and the dip should
still coincide
with maximum power out.
    Now, how much
of this problem have I invented?

On
12/30/2017 6:41 PM, Stephen Thompson v2positiverate@...

[DrakeRadio] wrote:
> PA
tune finishes with all knobs in normal positions.. ie on
20m band with a new and good antenna that matches well.
Why would this TR-4C find good output key down @ 190w along
with good station reports with a Plate setting at other than

at recommended dip but in normal range (410.ma) during an
otherwise normal tune up performance. Anybody here
understand how this happens or have any theories? I've
never seen a transmitter tune like this before and actually
this one hasn't always behaved like this and doesn't
on the other bands.
>
> Thanks
> Steve
> K5PK

--
Richard
Knoppow
1oldlens1@...
WB6KBL

42380. Re: New antenna [DrakeRadio] No Plate Dip but Nominal Output, just at plate peak @410ma

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 01:37:43 UTC
From: Richard Knoppow
Topic: 42379 Message: 42380

If the change in tune up behavior coincides with the change in the antenna I would certainly be suspicious. I really don't like the foating RF (what is biting you). For testing purposed I would tune up into a dummy load. If you don't have one it would be a worthy investment. The flaky bias bothers me. Again, if the bias disappears the tubes will begin to draw a huge amount of current as soon as they are keyed on. If the symptom is no current its almost certainly something else. I am not familiar with this antenna but I am certainly familiar with being limited as to antennas. I will see what I can find out about the one you have. I found the MyAntenna site but need to model number. Before doing the research I will remark that end fed antennas are usually not grounded. They must be worked against a decent ground, even just another long wire. If you are not limited by being in a rental you can probably get some sort of ground by running a heavy wire out the window to a water pipe (if they are not plastic there). Let me know the model and I will research this thing and see what I find. It is possible to rig a reasonably effective simple antenna but, in general, multi-band antennas have a lot of problems. I will also say that although its possible to make quite simple antennas that are effective antennas in general are not trivial plus there is a plethora of misinformation about them. The lucky ones are those with "land, lots of land under starry skies above" with no electric fences around, who can put up tall towers and long wires to their heart's content. I am not one of them.

On 12/31/2017 5:07 PM, Stephen Thompson v2positiverate@...
[DrakeRadio] wrote:
> Hi again Richard
>
> I fully concur with your recommended tuneup philosophy. The only thing I haven't mentioned is that I recently installed a new antenna from "MyAntenna". It's a 10 - 40m End Fed Half Wave and it is grounded. My station is on an upper floor so I don't have the rig grounded and sometimes feel a tiny bite of RF on my telegraph key. Thought I'd share that with you too in case that might play a part in your thinking.
>
> Again.. thanks for being such a big help.
> 73
> Steve
> K5PK
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42381. T4XB wont unkey

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 05:31:37 UTC
From: Jim Pruitt
Topic: 42381 Message: 42381

I have a T4XB that has some issues. One day I could no longer get any dip and barely got off of bias current if at all. It now also will not unkey when I am trying to tune it up. I use the Drake procedure but if I do manage to get the dip and then max output then it will not unkey. I have to turn it off in order to unkey it. My first T4XB would eat 6EV7's and am wondering if this one does the same thing. Will swapping to the 6EJ7 cure that problem?

Thank you.
Jim Pruitt
WA7DUY

42382. Re: [DrakeRadio] T4XB wont unkey

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 05:48:41 UTC
From: Dukes HiFi
Topic: 42381 Message: 42382

The 6EV7 is not interchangeable with the 6EJ7.

The 6EV7 is a troublesome tube. That will not be a cause of your not getting a dip in Tune.

It sounds like you are getting RF into your VOX/mike line.

Try this - tune for max output as you should. If the transmitter hangs up in TX, reduce drive to zero to see if it lets go. This will confirm RF in the VOX line as your issue.

Then we can look for your failure to get “off bias current”.

Gary

> On Dec 31, 2017, at 11:31 PM, Jim Pruitt jpruitt67@...m [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I have a T4XB that has some issues. One day I could no longer get any dip and barely got off of bias current if at all. It now also will not unkey when I am trying to tune it up. I use the Drake procedure but if I do manage to get the dip and then max output then it will not unkey. I have to turn it off in order to unkey it. My first T4XB would eat 6EV7's and am wondering if this one does the same thing. Will swapping to the 6EJ7 cure that problem?
>
> Thank you.
> Jim Pruitt
> WA7DUY
>
>

42383. Re: No Plate Dip but Nominal Output, just at plate peak @410ma

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 06:03:34 UTC
From: Jim Lokken
Topic: 42360 Message: 42383

Tune for maximum smoke.

42384. Re: [DrakeRadio] T4XB wont unkey

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 06:45:27 UTC
From: Jim Pruitt
Topic: 42381 Message: 42384

I do not have a mike hooked up to the rig.

No, I am sure the not unkeying has nothing to do with the bias issue
but was in the mix and complicates troubleshooting.

I do not have any 6EV7's to try and substitute but turning down the gain
does nothing. It stays keyed up. My only option at that point is to
turn it off and leave it off

Thank you.

Jim Pruitt

On 12/31/2017 9:48 PM, Dukes HiFi wrote:
> The 6EV7 is not interchangeable with the 6EJ7.
>
> The 6EV7 is a troublesome tube. That will not be a cause of your not
> getting a dip in Tune.
>
> It sounds like you are getting RF into your VOX/mike line.
>
> Try this - tune for max output as you should. If the transmitter hangs
> up in TX, reduce drive to zero to see if it lets go. This will confirm
> RF in the VOX line as your issue.
>
> Then we can look for your failure to get “off bias current”.
>
> Gary
>
>
>
>> On Dec 31, 2017, at 11:31 PM, Jim Pruitt jpruitt67@...
>> <mailto:jpruitt67@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>> I have a T4XB that has some issues. One day I could no longer get
>> any dip and barely got off of bias current if at all. It now also
>> will not unkey when I am trying to tune it up. I use the Drake
>> procedure but if I do manage to get the dip and then max output then
>> it will not unkey. I have to turn it off in order to unkey it. My
>> first T4XB would eat 6EV7's and am wondering if this one does the
>> same thing. Will swapping to the 6EJ7 cure that problem?
>>
>> Thank you.
>> Jim Pruitt
>> WA7DUY

>>
>>
>

42385. Re: [DrakeRadio] T4XB wont unkey

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 06:54:51 UTC
From: Richard Knoppow
Topic: 42381 Message: 42385

Does changing the VOX level or delay have any effect. I have had a
problem where the VOX delay will cause the rig to hang in transmit.
Also, try disconnecting the Anti-Vox line. I think this is unlikely the
cause but may give us a clue.

On 12/31/2017 10:45 PM, Jim Pruitt jpruitt67@... [DrakeRadio] wrote:
>
>
> I do not have a mike hooked up to the rig.
>
> No,? I am sure the not unkeying has nothing to do with the bias issue
> but was in the mix and complicates troubleshooting.
>
> I do not have any 6EV7's to try and substitute but turning down the gain
> does nothing.? It stays keyed up.? My only option at that point is to
> turn it off and leave it off
>
> Thank you.
>
> Jim Pruitt
>
>
> On 12/31/2017 9:48 PM, Dukes HiFi wrote:
>> The 6EV7 is not interchangeable with the 6EJ7.
>>
>> The 6EV7 is a troublesome tube. That will not be a cause of your not
>> getting a dip in Tune.
>>
>> It sounds like you are getting RF into your VOX/mike line.
>>
>> Try this - tune for max output as you should. If the transmitter hangs
>> up in TX, reduce drive to zero to see if it lets go. This will confirm
>> RF in the VOX line as your issue.
>>
>> Then we can look for your failure to get ?off bias current?.
>>
>> Gary
>>
>>
>>
>>> On Dec 31, 2017, at 11:31 PM, Jim Pruitt jpruitt67@...
>>> <mailto:jpruitt67@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
>>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>>
>>> I have a T4XB that has some issues.? One day I could no longer get

>>> any dip and barely got off of bias current if at all.? It now also
>>> will not unkey when I am trying to tune it up.? I use the Drake
>>> procedure but if I do manage to get the dip and then max output then
>>> it will not unkey.? I have to turn it off in order to unkey it.? My
>>> first T4XB would eat 6EV7's and am wondering if this one does the
>>> same thing.? Will swapping to the 6EJ7 cure that problem?
>>>
>>> Thank you.
>>> Jim Pruitt
>>> WA7DUY
>>>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42386. R4C AM filter

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 09:37:14 UTC
From: <w5sum@...>
Topic: 42386 Message: 42386

Anyone have any pros or cons on the Inrad 6 khz AM Filter for the R4C? I am crystaling up my R4C for Shortwave listening and want that bandwidth.

Happy New Years to all you Drakers out there

Ronnie W5SUM
Shreveport, La

42387. still more R4C dial woes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 13:25:43 UTC
From: <w5sum@...>
Topic: 42387 Message: 42387

Okay so.. I cut a piece of rubber tubing to take the place of the deteriorating plastic sleeve for the outer dial. I cut it exactly the same length. I pushed on the dial dial skirt and knob as I tightened the knob back up on the shaft, as per several members suggestions. Now.. here is the deal. If I turn the dial very slowly all is good. Calibration stays on.. all is happy. But if I try to turn it a little faster, the dials slip again. Looking inside, it appears the small plastic gear that you pull out of the way to calibrate the dials, is skipping out of the teeth of the gear it is supposed to turn. Looking at it really close.. there are no teeth missing nor do they look worn down. Its almost as if the little bar you move to disengage it and turn the dials to line them up.. is jumping out.

Has anyone observed this before?

Thanks

Ronnie W5SUM

42388. Re: [DrakeRadio] still more R4C dial woes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 15:38:50 UTC
From: Dukes HiFi
Topic: 42387 Message: 42388

What you have is collection of some very viscous organic matter over the years. That prevents the spring loaded gears from staying meshed.

If you generously rinse thee front of the PTO with Witch Hazel (99% Ethanol) while squeezing and releasing the tensioning levers, they will see up.

If they are REALLY stuck, use a hair dryer to soften up the goo before doing the alcohol it.

When you are done, drip a little Triflow bicycle chain lube just on the pivot pots of those levers.

Gary

> On Jan 1, 2018, at 7:25 AM, w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Okay so.. I cut a piece of rubber tubing to take the place of the deteriorating plastic sleeve for the outer dial. I cut it exactly the same length. I pushed on the dial dial skirt and knob as I tightened the knob back up on the shaft, as per several members suggestions. Now.. here is the deal. If I turn the dial very slowly all is good. Calibration stays on.. all is happy. But if I try to turn it a little faster, the dials slip again. Looking inside, it appears the small plastic gear that you pull out of the way to calibrate the dials, is skipping out of the teeth of the gear it is supposed to turn. Looking at it really close.. there are no teeth missing nor do they look worn down. Its almost as if the little bar you move to disengage it and turn the dials to line them up.. is jumping out.
>
> Has anyone observed this before?
>
> Thanks
>
> Ronnie W5SUM
>
>

42389. Re: [DrakeRadio] R4C AM filter

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 15:40:46 UTC
From: Dukes HiFi
Topic: 42386 Message: 42389

All I can say is that the one I had in an R-4V worked pretty well.

Gary

> On Jan 1, 2018, at 3:37 AM, w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Anyone have any pros or cons on the Inrad 6 khz AM Filter for the R4C? I am crystaling up my R4C for Shortwave listening and want that bandwidth.
>
> Happy New Years to all you Drakers out there
>
> Ronnie W5SUM
> Shreveport, La
>
>

42390. Re: [DrakeRadio] R4C AM filter

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 16:00:48 UTC
From: amfone
Topic: 42386 Message: 42390

Excellent filter.

On Monday, January 1, 2018, 10:40:55 AM EST, Dukes HiFi dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

All I can say is that the one I had in an R-4V worked pretty well.

Gary

On Jan 1, 2018, at 3:37 AM, w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Anyone have any pros or cons on the Inrad 6 khz AM Filter for the R4C? I am crystaling up my R4C for Shortwave listening and want that bandwidth. Happy New Years to all you Drakers out there Ronnie W5SUMShreveport, La

42391. Re: still more R4C dial woes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 16:50:37 UTC
From: va3mgn@...
Topic: 42387 Message: 42391

Ronnie, yes I have been there. I don't have a clear-cut solution, but hope some preliminary steps might help. Assuming all else is in order, (e.g., clip ring has not been inserted backwards, no missing ferrules, nylon gears/bushings have been cleaned of oil an grease, etc.), with the light bracket removed, look closely at the gears edgewise from the top and right side. With a strong LED light and magnifying glass try to see why the gear(s) are not engaging. Was too much/too little pressure applied when reinstalling the tuning knob? Is the rubber dial bushing hard with age? I either change it or try rubber rejuvenator. Is the PTO 90 degrees to the dials and faceplate, or is it angled. Is it PTO tight? (Use a pencil eraser to stabilize the gears when adjusting the spring loaded arms.) Other ideas? Matt

42392. Drake R4 and AM

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 17:31:10 UTC
From: bsa0791@...
Topic: 42392 Message: 42392

What would be required, if even possible, to get my R4 to receive on the AM broad cast band? What kind of performance could expect?

kb4mng nc

42393. Re: [DrakeRadio] Drake R4 and AM

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 18:02:59 UTC
From: Jeffrey Angus
Topic: 42392 Message: 42393

On 1/1/18 11:31 AM, KB4MNG wrote:
>
> What would be required, if even possible, to get my R4 to
> receive on the AM broad cast band?
>
The specified lowest range is 1.5-2.0 MHz. (160 Meters)

Drake made a converter for the 2B that was brutally simple.
They up converted the BCB to 10 meters. With a choice of
two crystals depending on which end you wanted to listen
to.
>
> What kind of performance could expect?
>
Dismal I would assume.
Doing it "properly" would include a separately tuned front end
as part of the mixer prior to feeding the Drake.

For BCB listening, other than the usual consumer radios, I have
a Hallicrafters SX-62.
Unfortunately, here in Ranger Texas, my listening choices are
Christian broadcasters, Spanish language and 24/7 hate radio.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42394. during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 18:46:57 UTC
From: Andrew Olson
Topic: 42394 Message: 42394

I'm following the tune up procedure on p. 14 of the manual. I adjusted the bias without any problems. However, I am not seeing any increase in plate current when I advance the GAIN control and adjust the RF TUNE control as described in the instructions.

I have a second set of finals that I can swap in, but am wondering if there are other things I should try first?

Thanks,
Andrew Olson
N6DRU

42395. Re: [DrakeRadio] Drake R4 and AM

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 19:14:06 UTC
From: Mark Abel
Topic: 42392 Message: 42395

Three accessory crystals and a decent 160 meter dipole would work.

On Jan 1, 2018 12:32 PM, "bsa0791@... [DrakeRadio]" <
DrakeRadio@yahoogroups.com> wrote:

>
>
> What would be required, if even possible, to get my R4 to receive on the
> AM broad cast band? What kind of performance could expect?
>
>
> kb4mng nc
>
>

42396. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 19:17:40 UTC
From: Mark Abel
Topic: 42394 Message: 42396

Unmute your receiver to aid in tuning the RF tuning stage on the transmitter first. You can also see the signal increase when you adjust the plate and tune controls. Keep your volume down though unless you like loud carrier sound....

On Jan 1, 2018 1:53 PM, "Andrew Olson zoydxwheeler@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

>
>
> I'm following the tune up procedure on p. 14 of the manual. I adjusted
> the bias without any problems. However, I am not seeing any increase in
> plate current when I advance the GAIN control and adjust the RF TUNE
> control as described in the instructions.
>
> I have a second set of finals that I can swap in, but am wondering if
> there are other things I should try first?
>
> Thanks,
> Andrew Olson
> N6DRU
>
>

42397. Re: [DrakeRadio] Drake R4 and AM

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 19:20:31 UTC
From: Mark Abel
Topic: 42392 Message: 42397

Jeff is right. The preselector stage won't work very well down there even
if you ordered the correct crystals.

On Jan 1, 2018 1:03 PM, "Jeffrey Angus jdangus@... [DrakeRadio]" <
DrakeRadio@yahoogroups.com> wrote:

>
>
> On 1/1/18 11:31 AM, KB4MNG wrote:
> >
> > What would be required, if even possible, to get my R4 to
> > receive on the AM broad cast band?
> >
> The specified lowest range is 1.5-2.0 MHz. (160 Meters)
>
> Drake made a converter for the 2B that was brutally simple.
> They up converted the BCB to 10 meters. With a choice of
> two crystals depending on which end you wanted to listen
> to.
> >
> > What kind of performance could expect?
> >
> Dismal I would assume.
> Doing it "properly" would include a separately tuned front end
> as part of the mixer prior to feeding the Drake.
>
> For BCB listening, other than the usual consumer radios, I have
> a Hallicrafters SX-62.
> Unfortunately, here in Ranger Texas, my listening choices are
> Christian broadcasters, Spanish language and 24/7 hate radio.
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>
>

42398. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 19:29:24 UTC
From: Evan
Topic: 42394 Message: 42398

Not sure about replacing the finals at this time. It would seem strange that both tubes failed at the same time.

-----Original Message-----
From: Mark Abel 73w4udx@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: Andrew Olson <zoydxwheeler@...>; DrakeRadio <DrakeRadio@...m>
Sent: Mon, Jan 1, 2018 2:17 pm
Subject: Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Unmute your receiver to aid in tuning the RF tuning stage on the transmitter first. You can also see the signal increase when you adjust the plate and tune controls. Keep your volume down though unless you like loud carrier sound....

On Jan 1, 2018 1:53 PM, "Andrew Olson zoydxwheeler@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

I'm following the tune up procedure on p. 14 of the manual. I adjusted
the bias without any problems. However, I am not seeing any increase in
plate current when I advance the GAIN control and adjust the RF TUNE
control as described in the instructions.

I have a second set of finals that I can swap in, but am wondering if
there are other things I should try first?

Thanks,
Andrew Olson
N6DRU

42399. TR7+PS7 with Astatic desk mic for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 19:39:10 UTC
From: Mark Abel
Topic: 42399 Message: 42399

I have a nice (not mint) TR7 and PS7 up for sale. I've been sick for a week and missed a lot of work so unfortunately I have to let it go. It has the optional noise blanker and 1.8 filter installed. I just installed a replacement lower front panel that I got from Gary and now it looks real good. I guess I didn't solder the ALC led good because it doesn't work. I soldered it wire tip to wire tip and insulated it with heat shrink tubing. Anyway, the radio also has the optional fan and a new excellent copy of the manual (color cover version). The radio was modified at some point in the past to give general coverage transmit and LF/AM receive. Included is an Astatic desk mic in fine shape, same model as the one sold by Drake for this radio, but it has the Astatic badge on it instead of Drake. All works ok and no smoke smells. Full output power. Will be shipped in two separate heavy duty boxes. $550 plus shipping. No warranties. No returns. Once I get the money it's going to pay bills. I can accept PayPal if you let me send invoice first. Thanks. five zero two, 735-7722

42400. Re: [DrakeRadio] T4XB wont unkey

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 19:40:27 UTC
From: Douglas Glenn
Topic: 42381 Message: 42400

Jim,

It sounds like the same "always keyed" problem I had with my TR-4. The cause was grid leakage in the 6EV7.

Back then, I could not find a 6EV7 at any of the tube sources I knew of, so I soldered together a solid-state replacement, installed it, and the radio has been operating on an almost daily basis for over 5 years. If you want a copy of the circuit I used, let me know.

I left the old 6EV7 in place to balance the filament string. I prefer PTT over VOX, so the other half of the tube isn't used either.

After many years of service, the only tube problems I found in my TR-4 (not counting worn-out finals) is grid leakage.

Doug - K3ZMG

From: "Jim Pruitt jpruitt67@...m [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Monday, January 01, 2018 1:37 AM
To: "Dukes HiFi" <dukeshifi@...>, DrakeRadio@yahoogroups.com
Subject: Re: [DrakeRadio] T4XB wont unkey

I do not have a mike hooked up to the rig.

No, I am sure the not unkeying has nothing to do with the bias issue but was in the mix and complicates troubleshooting.

I do not have any 6EV7's to try and substitute but turning down the gain does nothing. It stays keyed up. My only option at that point is to turn it off and leave it off

Thank you.

Jim Pruitt

On 12/31/2017 9:48 PM, Dukes HiFi wrote:
The 6EV7 is not interchangeable with the 6EJ7.
The 6EV7 is a troublesome tube. That will not be a cause of your not getting a dip in Tune.

It sounds like you are getting RF into your VOX/mike line.

Try this - tune for max output as you should. If the transmitter hangs up in TX, reduce drive to zero to see if it lets go. This will confirm RF in the VOX line as your issue.

Then we can look for your failure to get "off bias current".

Gary

On Dec 31, 2017, at 11:31 PM, Jim Pruitt jpruitt67@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I have a T4XB that has some issues. One day I could no longer get any dip and barely got off of bias current if at all. It now also will not unkey when I am trying to tune it up. I use the Drake procedure but if I do manage to get the dip and then max output then it will not unkey. I have to turn it off in order to unkey it. My first T4XB would eat 6EV7's and am wondering if this one does the same thing. Will swapping to the 6EJ7 cure that problem?

Thank you.
Jim Pruitt
WA7DUY

42401. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 19:54:25 UTC
From: Gary Woods
Topic: 42394 Message: 42401

On Mon, 1 Jan 2018 10:46:57 -0800, you wrote:

>I'm following the tune up procedure on p. 14 of the manual. I adjusted
>the bias without any problems. However, I am not seeing any increase in
>plate current when I advance the GAIN control and adjust the RF TUNE
>control as described in the instructions.
If you can set the bias current, the finals are probably not totally
fried; sounds like you're missing one of the signals that gets mixed
to produce the drive signal. Is this happening on all bands? The
resident Drake experts can point you to finding out what's missing.
ISTR a frequently overlooked switch (ext VFO or such?) that gets hit
or dirty.
If you have another receiver nearby, can you hear anything on the
output frequency?

This email has been checked for viruses by AVG.
http://www.avg.com

42402. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 20:12:59 UTC
From: Dukes HiFi
Topic: 42394 Message: 42402

If you are not seeing increase in plate current when you increase drive, you have little or no drive. If this is true but you can still get proper plate idle current, your finals are probably OK.

Check the 12BY7 driver tube.

On Jan 1, 2018, at 12:46 PM, Andrew Olson zoydxwheeler@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

> I'm following the tune up procedure on p. 14 of the manual. I adjusted
> the bias without any problems. However, I am not seeing any increase in
> plate current when I advance the GAIN control and adjust the RF TUNE
> control as described in the instructions.
>
> I have a second set of finals that I can swap in, but am wondering if
> there are other things I should try first?
>
> Thanks,
> Andrew Olson
> N6DRU
>
>

42403. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 20:18:39 UTC
From: Bob Maser
Topic: 42394 Message: 42403

I would connect it to a dummy load and a wattmeter and tune it for full
smoke with the TX gain set at 10 o'clock.
Try my 40M settings:
Gain 11 O'Clock
Tune 6.5
Load 3.0

Bob W6TR

On Mon, Jan 1, 2018 at 2:29 PM, Evan k9sqg@arrl.net [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Not sure about replacing the finals at this time. It would seem strange
> that both tubes failed at the same time.
>
>
> -----Original Message-----
> From: Mark Abel 73w4udx@... [DrakeRadio] <DrakeRadio@yahoogroups.com
> >
> To: Andrew Olson <zoydxwheeler@...>; DrakeRadio <
> DrakeRadio@yahoogroups.com>
> Sent: Mon, Jan 1, 2018 2:17 pm
> Subject: Re: [DrakeRadio] during T-4XB tune up procedure: no increase in
> plate current
>
>
> Unmute your receiver to aid in tuning the RF tuning stage on the
> transmitter first. You can also see the signal increase when you adjust the
> plate and tune controls. Keep your volume down though unless you like loud
> carrier sound....
>
> On Jan 1, 2018 1:53 PM, "Andrew Olson zoydxwheeler@...
> [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> I'm following the tune up procedure on p. 14 of the manual. I adjusted
> the bias without any problems. However, I am not seeing any increase in
> plate current when I advance the GAIN control and adjust the RF TUNE
> control as described in the instructions.
>
> I have a second set of finals that I can swap in, but am wondering if
> there are other things I should try first?

>
> Thanks,
> Andrew Olson
> N6DRU
>
>
>

42404. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 20:39:49 UTC
From: Andrew Olson
Topic: 42394 Message: 42404

OK, I can hear a signal, and I can peak the loudness with the RF TUNE and Plate Controls. Plate current still doesn't change. The S meter on the receiver doesn't register anything. If I switch the transmitter from Separate to Rcvr, the signal gets louder and the S meter registers S9+10 dB or so.

On 01/01/2018 11:17 AM, Mark Abel 73w4udx@... [DrakeRadio] wrote:
> Unmute your receiver to aid in tuning the RF tuning stage on the
> transmitter first. You can also see the signal increase when you adjust
> the plate and tune controls. Keep your volume down though unless you
> like loud carrier sound....
>
> On Jan 1, 2018 1:53 PM, "Andrew Olson zoydxwheeler@...
> <mailto:zoydxwheeler@...> [DrakeRadio]"
> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
> __
>
> I'm following the tune up procedure on p. 14 of the manual. I adjusted
> the bias without any problems. However, I am not seeing any increase in
> plate current when I advance the GAIN control and adjust the RF TUNE
> control as described in the instructions.
>
> I have a second set of finals that I can swap in, but am wondering if
> there are other things I should try first?
>
> Thanks,
> Andrew Olson
> N6DRU
>
>

42405. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 20:42:15 UTC
From: Garey Barrell
Topic: 42394 Message: 42405

Check relay R2. Back rearcorner near CO.

--
73, Garey - K4OAH
Rome, GA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

> On Jan 1, 2018, at 1:46 PM, Andrew Olson zoydxwheeler@yahoo.com [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> I'm following the tune up procedure on p. 14 of the manual. I adjusted
> the bias without any problems. However, I am not seeing any increase in
> plate current when I advance the GAIN control and adjust the RF TUNE
> control as described in the instructions.
>
> I have a second set of finals that I can swap in, but am wondering if
> there are other things I should try first?
>
> Thanks,
> Andrew Olson
> N6DRU
>
>
> ------------------------------------
> Posted by: Andrew Olson <zoydxwheeler@...>
> ------------------------------------
>
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> ------------------------------------
>
> Yahoo Groups Links
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42406. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 20:42:21 UTC
From: Mark Abel
Topic: 42394 Message: 42406

Drive is produced by a tone from the Mic amp, right? Maybe there's a problem in that circuit....

On Jan 1, 2018 3:14 PM, "Dukes HiFi dukeshifi@comcast.net [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

>
>
> If you are not seeing increase in plate current when you increase drive,
> you have little or no drive. If this is true but you can still get proper
> plate idle current, your finals are probably OK.
>
> Check the 12BY7 driver tube.
>
>
>
> On Jan 1, 2018, at 12:46 PM, Andrew Olson zoydxwheeler@...
> [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> I'm following the tune up procedure on p. 14 of the manual. I adjusted
> the bias without any problems. However, I am not seeing any increase in
> plate current when I advance the GAIN control and adjust the RF TUNE
> control as described in the instructions.
>
> I have a second set of finals that I can swap in, but am wondering if
> there are other things I should try first?
>
> Thanks,
> Andrew Olson
> N6DRU
>
>
>
>

42407. Re: [DrakeRadio] R4C AM filter

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 20:43:32 UTC
From: Howard Traxler
Topic: 42386 Message: 42407

I don't know if mine is that brand, but when I put it in it opened up the sound like a different radio.
----- Original Message -----
From: Dukes HiFi dukeshifi@... [DrakeRadio]
To: wes Bolin k5apl41@... [DrakeRadio] ; Ronnie Hull
Sent: Monday, January 01, 2018 9:40 AM
Subject: Re: [DrakeRadio] R4C AM filter

All I can say is that the one I had in an R-4V worked pretty well.

Gary

On Jan 1, 2018, at 3:37 AM, w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Anyone have any pros or cons on the Inrad 6 khz AM Filter for the R4C? I am crystaling up my R4C for Shortwave listening and want that bandwidth.

Happy New Years to all you Drakers out there

Ronnie W5SUM
Shreveport, La

42408. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 20:44:26 UTC
From: Garey Barrell
Topic: 42394 Message: 42408

Sorry, wrong radio! Try in CW.

--
73, Garey - K4OAH
Rome, GA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

> On Jan 1, 2018, at 1:46 PM, Andrew Olson zoydxwheeler@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> I'm following the tune up procedure on p. 14 of the manual. I adjusted
> the bias without any problems. However, I am not seeing any increase in
> plate current when I advance the GAIN control and adjust the RF TUNE
> control as described in the instructions.
>
> I have a second set of finals that I can swap in, but am wondering if
> there are other things I should try first?
>
> Thanks,
> Andrew Olson
> N6DRU
>
>
> ------------------------------------
> Posted by: Andrew Olson <zoydxwheeler@...>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>

42409. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 20:44:32 UTC
From: Bob Maser
Topic: 42394 Message: 42409

He should turn off the Drake and fire up his IC-7300

On Mon, Jan 1, 2018 at 3:42 PM, Mark Abel 73w4udx@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Drive is produced by a tone from the Mic amp, right? Maybe there's a
> problem in that circuit....
>
> On Jan 1, 2018 3:14 PM, "Dukes HiFi dukeshifi@... [DrakeRadio]" <
> DrakeRadio@yahoogroups.com> wrote:
>
>>
>>
>> If you are not seeing increase in plate current when you increase drive,
>> you have little or no drive. If this is true but you can still get proper
>> plate idle current, your finals are probably OK.
>>
>> Check the 12BY7 driver tube.
>>
>>
>>
>> On Jan 1, 2018, at 12:46 PM, Andrew Olson zoydxwheeler@...
>> [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>> I'm following the tune up procedure on p. 14 of the manual. I adjusted
>> the bias without any problems. However, I am not seeing any increase in
>> plate current when I advance the GAIN control and adjust the RF TUNE
>> control as described in the instructions.
>>
>> I have a second set of finals that I can swap in, but am wondering if
>> there are other things I should try first?
>>
>> Thanks,
>> Andrew Olson
>> N6DRU
>>
>>
>>
>

42410. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 21:14:14 UTC
From: Brian Smith
Topic: 42394 Message: 42410

And give up on a wonderful radio?! I didn’t realize this was an icom group. Hi hi :)

Brian Smith

> On Jan 1, 2018, at 2:44 PM, Bob Maser bob.maser@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> He should turn off the Drake and fire up his IC-7300
>
>
>> On Mon, Jan 1, 2018 at 3:42 PM, Mark Abel 73w4udx@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>>
>> Drive is produced by a tone from the Mic amp, right? Maybe there's a problem in that
circuit....
>>
>>> On Jan 1, 2018 3:14 PM, "Dukes HiFi dukeshifi@... [DrakeRadio]"
<DrakeRadio@yahoogroups.com> wrote:
>>>
>>> If you are not seeing increase in plate current when you increase drive, you have
little or no drive. If this is true but you can still get proper plate idle current, your
finals are probably OK.
>>>
>>>
>>> Check the 12BY7 driver tube.
>>>
>>>
>>>
>>>> On Jan 1, 2018, at 12:46 PM, Andrew Olson zoydxwheeler@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>>>>
>>>> I'm following the tune up procedure on p.. 14 of the manual. I adjusted
>>>> the bias without any problems. However, I am not seeing any increase in
>>>> plate current when I advance the GAIN control and adjust the RF TUNE
>>>> control as described in the instructions.
>>>>
>>>> I have a second set of finals that I can swap in, but am wondering if
>>>> there are other things I should try first?
>>>>
>>>> Thanks,
>>>> Andrew Olson
>>>> N6DRU
>>>>
>>>

>>
>
>

42411. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 21:18:40 UTC
From: Bob Maser
Topic: 42394 Message: 42411

I was trying to say that for some "modern day" operators, tuning up a 60's
and 70's radio
is not practical.

On Mon, Jan 1, 2018 at 4:14 PM, Brian Smith <k9bps@...> wrote:

> And give up on a wonderful radio?! I didn’t realize this was an icom
> group. Hi hi :)
>
> Brian Smith
>
> On Jan 1, 2018, at 2:44 PM, Bob Maser bob.maser@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com> wrote:
>
>
>
> He should turn off the Drake and fire up his IC-7300
>
>
> On Mon, Jan 1, 2018 at 3:42 PM, Mark Abel 73w4udx@gmail.com [DrakeRadio] <
> DrakeRadio@yahoogroups.com> wrote:
>
>>
>>
>> Drive is produced by a tone from the Mic amp, right? Maybe there's a
>> problem in that circuit....
>>
>> On Jan 1, 2018 3:14 PM, "Dukes HiFi dukeshifi@comcast.net [DrakeRadio]" <
>> DrakeRadio@yahoogroups.com> wrote:
>>
>>>
>>>
>>> If you are not seeing increase in plate current when you increase drive,
>>> you have little or no drive. If this is true but you can still get proper
>>> plate idle current, your finals are probably OK.
>>>
>>> Check the 12BY7 driver tube.
>>>
>>>
>>>
>>> On Jan 1, 2018, at 12:46 PM, Andrew Olson zoydxwheeler@...
>>> [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>>
>>>

>>> I'm following the tune up procedure on p.. 14 of the manual. I adjusted
>>> the bias without any problems. However, I am not seeing any increase in
>>> plate current when I advance the GAIN control and adjust the RF TUNE
>>> control as described in the instructions.
>>>
>>> I have a second set of finals that I can swap in, but am wondering if
>>> there are other things I should try first?
>>>
>>> Thanks,
>>> Andrew Olson
>>> N6DRU
>>>
>>>
>>>
>
>
>

42412. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 21:27:29 UTC
From: Andrew Olson
Topic: 42394 Message: 42412

In CW the VFO light comes on momentarily with key down, then shuts off.
Problem with the relay?

Andrew
N6DRU

On 01/01/2018 12:44 PM, Garey Barrell wrote:
> Sorry, wrong radio! Try in CW.
>
>
> --
> 73, Garey - K4OAH
> Rome, GA
>
> Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
> and TR-4/C Service Supplement CDs
> <www.k4oah.com <http://www.k4oah.com/>>
>
>
> On Jan 1, 2018, at 1:46 PM, Andrew Olson zoydxwheeler@...
> <mailto:zoydxwheeler@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> I'm following the tune up procedure on p. 14 of the manual. I adjusted
>> the bias without any problems. However, I am not seeing any increase in
>> plate current when I advance the GAIN control and adjust the RF TUNE
>> control as described in the instructions.
>>
>> I have a second set of finals that I can swap in, but am wondering if
>> there are other things I should try first?
>>
>> Thanks,
>> Andrew Olson
>> N6DRU
>>
>>
>> ------------------------------------
>> Posted by: Andrew Olson <zoydxwheeler@...
>> <mailto:zoydxwheeler@...>>
>> ------------------------------------
>>
>>
>> ------------------------------------
>>

>> Yahoo Groups Links
>>
>>
>> DrakeRadio-fullfeatured@yahoogroups.com
>> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
>>
>>

42413. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 21:29:01 UTC
From: Richard Knoppow
Topic: 42394 Message: 42413

The switch is to use an external crystal for fixed frequency work.
On mine its held in the VFO position by a little strap made of a long
solder lug but if that's missing its possible for the switch to get in
the wrong position which would disable the transmitter. If the little
keeper is there I would still check the switch for function and maybe
clean it while your at it. It gets forgotten.
There are three oscillators in the T4XB, all must be working for
the rig to put out. First is the carrier oscillator that feeds the
balanced modulator, second is the band oscillator, the bank of crystals
that determine the band of operation, third is the VFO. If any of these
is missing there will be no output. There is actually another
oscillator, the TUNE oscillator. This is an audio tone produced by
converting the audio mic amp to an oscillator and is used for both a
tuning signal and to produce a side tone for CW. Try tuning up in CW and
see if you get an output. You should also hear the side tone when keying.
If you have not already cleaned the switches in the rig do so, it
may cure the problem. If you have a scope you can use it for tracing the
RF signal. Just a "sniffer" look on the end of a probe may be enough to
tell you if the crystal oscillators are working.
Might be something dumb like a short from one of the diodes in the
balanced modulator to the case. The cover on the modulator comes off by
pinching the clips on the side with suitable pliers.
If you are getting idle current and it varies with the bias setting
the finals are probably OK or at least not fried.
--
Richard Knoppow
1oldlens1@...
WB6KBL

42414. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 21:30:43 UTC
From: Andrew Olson
Topic: 42394 Message: 42414

Unfortunately I don't have a spare to swap in on hand, but I'll check
the pins and socket connections to see if that can fix it. If not, I'll
order one.

Thanks,
Andrew
N6DRU

On 01/01/2018 12:12 PM, Dukes HiFi dukeshifi@... [DrakeRadio] wrote:
> If you are not seeing increase in plate current when you increase drive,
> you have little or no drive. If this is true but you can still get
> proper plate idle current, your finals are probably OK.
>
>
> Check the 12BY7 driver tube.
>
>
>
> On Jan 1, 2018, at 12:46 PM, Andrew Olson zoydxwheeler@...
> <mailto:zoydxwheeler@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>> I'm following the tune up procedure on p. 14 of the manual. I adjusted
>> the bias without any problems. However, I am not seeing any increase in
>> plate current when I advance the GAIN control and adjust the RF TUNE
>> control as described in the instructions.
>>
>> I have a second set of finals that I can swap in, but am wondering if
>> there are other things I should try first?
>>
>> Thanks,
>> Andrew Olson
>> N6DRU
>>
>
>

42415. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 21:31:18 UTC
From: Richard Knoppow
Topic: 42394 Message: 42415

Adjust the VOX level and delay settings. The VOX is operated by the
side tone. Also, it may not operate if the RF level is too low. The
settings for CW are different for CW than for voice.

On 1/1/2018 1:27 PM, Andrew Olson zoydxwheeler@... [DrakeRadio] wrote:
> In CW the VFO light comes on momentarily with key down, then shuts off.
> Problem with the relay?
>
> Andrew
> N6DRU
>
> On 01/01/2018 12:44 PM, Garey Barrell wrote:
>> Sorry, wrong radio! ?Try in CW.
>>
>>
>> --
>> 73, Garey - K4OAH
>> Rome, GA
>>
>> Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
>> and TR-4/C Service Supplement CDs
>> <www.k4oah.com <http://www.k4oah.com/>>
>>
>>
>> On Jan 1, 2018, at 1:46 PM, Andrew Olson zoydxwheeler@...
>> <mailto:zoydxwheeler@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>>> I'm following the tune up procedure on p. 14 of the manual. I adjusted
>>> the bias without any problems. However, I am not seeing any increase in
>>> plate current when I advance the GAIN control and adjust the RF TUNE
>>> control as described in the instructions.
>>>
>>> I have a second set of finals that I can swap in, but am wondering if
>>> there are other things I should try first?
>>>
>>> Thanks,
>>> Andrew Olson
>>> N6DRU
>>>
>>>
>>> ------------------------------------
>>> Posted by: Andrew Olson <zoydxwheeler@...
>>> <mailto:zoydxwheeler@...>>

>>> ------------------------------------
>>>
>>>
>>> ------------------------------------
>>>
>>> Yahoo Groups Links
>>>
>>>
>>> DrakeRadio-fullfeatured@yahoogroups.com
>>> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
>>>
>>>
>
>
> ------------------------------------
> Posted by: Andrew Olson <zoydxwheeler@...>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42416. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current

Yahoo group: DrakeRadio (2018)
Date: 2018-01-01 21:38:30 UTC
From: Richard Knoppow
Topic: 42394 Message: 42416

Uh, uh, uh, where's the reset button?

On 1/1/2018 1:18 PM, Bob Maser bob.maser@... [DrakeRadio] wrote:
>
>
> I was trying to say that for some "modern day" operators, tuning up a
> 60's and 70's radio
> is not practical.
>
> On Mon, Jan 1, 2018 at 4:14 PM, Brian Smith <k9bps@...
> <mailto:k9bps@...>> wrote:
>
> And give up on a wonderful radio?! I didn?t realize this was an icom
> group. Hi hi :)
>
> Brian Smith
>
> On Jan 1, 2018, at 2:44 PM, Bob Maser bob.maser@...
> <mailto:bob.maser@...> [DrakeRadio]
> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> He should turn off the Drake and fire up his IC-7300
>>
>>
>> On Mon, Jan 1, 2018 at 3:42 PM, Mark Abel 73w4udx@...
>> <mailto:73w4udx@...> [DrakeRadio]
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
>> wrote:
>>
>> --
>>
>> Drive is produced by a tone from the Mic amp, right? Maybe
>> there's a problem in that circuit....
>>
>> On Jan 1, 2018 3:14 PM, "Dukes HiFi dukeshifi@...
>> <mailto:dukeshifi@...> [DrakeRadio]"
>> <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>> --
>>
>> If you are not seeing increase in plate current when you
>> increase drive, you have little or no drive. If this is
>> true but you can still get proper plate idle current, your

>> finals are probably OK.
>>
>>
>> Check the 12BY7 driver tube.
>>
>>
>>
>> On Jan 1, 2018, at 12:46 PM, Andrew Olson
>> zoydxwheeler@... <mailto:zoydxwheeler@...>
>> [DrakeRadio] <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>>
>>> I'm following the tune up procedure on p.. 14 of the
>>> manual. I adjusted
>>> the bias without any problems. However, I am not seeing
>>> any increase in
>>> plate current when I advance the GAIN control and adjust
>>> the RF TUNE
>>> control as described in the instructions.
>>>
>>> I have a second set of finals that I can swap in, but am
>>> wondering if
>>> there are other things I should try first?
>>>
>>> Thanks,
>>> Andrew Olson
>>> N6DRU
>>>
>>
>>
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42418. RE: [DrakeRadio] Gears for PTO?

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 02:18:11 UTC
From: ka9jbd@...
Topic: 42323 Message: 42418

Tnx. Peter from Denmark got in touch with me and has the gear. I was not able to find a listing on Surplus Sales website. However, I appreciate the responses.

73 and tnx

Mike

42419. AC-4 and MS-4 For Sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 02:47:49 UTC
From: Steve Berman
Topic: 42419 Message: 42419

Since I no longer service or have any Drake equipment, I have the above for sale.

AC-4 PSU, Has the Sunlight Systems cap and diode board installed. This is a late production unit, has factory installed 3 wire AC plug. This was my bench supply when servicing the TR and T-4X equipments. Asking $125.00.

MS -4 Speaker, Some light scuffs on cabinet, but otherwise in good condition. Asking $100.00.

All plus actual shipping from Pahrump NV 89048.

Regards,
Steve, N6HK

Sent via the Samsung Galaxy S® 4 mini ™, an AT&T 4G LTE smartphone

42420. Beautiful Drake T-4XB FS

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 15:32:41 UTC
From: Kc9cdt@...
Topic: 42420 Message: 42420

Hello everyone,
I have decided to part with my Drake T-4XB. Almost perfect copper chassis, front panel and works very well with full output on all bands.
Transceive's fine with R-4B. Transceiver cables and manual included.
$300.00 + shipping & Ins. (I will pack well and double box)
Photos available. of course......
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

42421. Test - please delete.

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 16:31:32 UTC
From: ve7ps@telus.net
Topic: 42421 Message: 42421

Sorry for the bandwidth - my posts in the last month to the group are being delayed hours, days, and sometimes lost completely. Other Yahoo Groups work fine with immediate responses, but not this one! GRRRRR! Trying test direct from webmail.

73
Peter
VE7PS

42423. Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 19:01:03 UTC
From: Jeffrey Angus
Topic: 42399 Message: 42423

On 1/2/18 12:34 PM, 73w4udx@... wrote:
> Moved to eBay. Good pics on there and I can email them to
> you also. Thanks.
A link would be nice.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42426. Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 19:24:26 UTC
From: Jeffrey Angus
Topic: 42399 Message: 42426

On 1/2/18 12:34 PM, 73w4udx@... [DrakeRadio] wrote:
> Moved to eBay. Good pics on there and I can email them to you
> also. Thanks.
You had originally posted the for sale less than 24 hours ago.
Then you put it on eBay with no link here.
And now it's gone.

In all fairness, If you post a for sale here, leave it here a few days.
Give people a chance to see it and respond to it.
Reply/repost it once a day.
Give a warning if you're going to put it on eBay.
Wait one more day.
Some people receive this as a digest, once a day.
If you post it to eBay, when you announce that you have, post the
eBay link at the same time.

Just my 2 cents worth.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42427. RE: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 19:29:04 UTC
From: Joe
Topic: 42399 Message: 42427

Agreed!

Joe - W7RKN
Moderator

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]

Subject: Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

On 1/2/18 12:34 PM, 73w4udx@... [DrakeRadio] wrote:
> Moved to eBay. Good pics on there and I can email them to you also.
> Thanks.
You had originally posted the for sale less than 24 hours ago.
Then you put it on eBay with no link here.
And now it's gone.

In all fairness, If you post a for sale here, leave it here a few days.
Give people a chance to see it and respond to it.
Reply/repost it once a day.
Give a warning if you're going to put it on eBay.
Wait one more day.
Some people receive this as a digest, once a day.
If you post it to eBay, when you announce that you have, post the eBay link at the same time.

Just my 2 cents worth.

42429. Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 19:40:54 UTC
From: john
Topic: 42399 Message: 42429

It's not mine, but a quick search shows:

https://www.ebay.com/itm/Drake-TR-7-AM-CW-SSB-Ham-Radio-Transceiver-With-PS-7-Power-Supply-and-Mic/173068766096?epid=129710778&hash=item284bb3cb90:g:Ud0AAOSwuhFaSmlB

73
John K5MO

On 1/2/2018 2:29 PM, Joe w7rkn.7@... [DrakeRadio] wrote:
> Agreed!
>
> Joe - W7RKN
> Moderator
>
> -----Original Message-----
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
>
> Subject: Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale
>
> On 1/2/18 12:34 PM, 73w4udx@... [DrakeRadio] wrote:
>> Moved to eBay. Good pics on there and I can email them to you also.
>> Thanks.
> You had originally posted the for sale less than 24 hours ago.
> Then you put it on eBay with no link here.
> And now it's gone.
>
> In all fairness, If you post a for sale here, leave it here a few days.
> Give people a chance to see it and respond to it.
> Reply/repost it once a day.
> Give a warning if you're going to put it on eBay.
> Wait one more day.
> Some people receive this as a digest, once a day.
> If you post it to eBay, when you announce that you have, post the eBay link at the same time.
>
> Just my 2 cents worth.
>
>
>
>
> ------------------------------------
> Posted by: Joe <w7rkn.7@...>
> ------------------------------------
>
>
> ------------------------------------

>
> Yahoo Groups Links
>
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>

--
III

42431. Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 20:05:25 UTC
From: Jeffrey Angus
Topic: 42399 Message: 42431

On 1/2/18 1:40 PM, john johnmb@... [DrakeRadio] wrote:
>
> It's not mine, but a quick search shows:
>
> <https://www.ebay.com/itm/173068766096>
>
That's a different one.
This is the one Mark listed:
<https://www.ebay.com/itm/162832296147>

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42432. RE: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 20:21:01 UTC
From: Joe
Topic: 42399 Message: 42432

Mark

OUCH!

I'm NOT uptight....I just agree with the person who posted. If one is going to post a for sale item, to *ANY* group, leave it up there for a few days, to give everyone a chance to buy it, before moving it to another sales site.

That's just common sense, not being uptight. I rarely step in on a thread, even when it is beating the proverbial dead horse with repetition!

And this is one of the friendliest ham groups around, and one of the most helpful. I really doubt you will get too many users here to agree with you that DrakeRadio is nor friendly group.

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Tuesday, January 02, 2018 12:01 PM
To: DrakeRadio@yahoogroups.com
Subject: Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

That's a different one but it is easy to search on eBay. Some people just want to have something to gripe about. Guess the holiday spirit is worn off already. Jeez.... Anyway I'm unsubscribing since even the moderator is up tight.... I like hanging with friendly people.... 73

Posted by: 73w4udx@...

Yahoo Groups Links

42435. Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 21:55:01 UTC
From: ROLYNN PRECHTL
Topic: 42399 Message: 42435

Agreed!
Joe - W7RKN
Moderator

In all fairness, If you post a for sale here, leave it here a few days.
Give people a chance to see it and respond to it.
Reply/repost it once a day.
Give a warning if you're going to put it on eBay.
Wait one more day.
Some people receive this as a digest, once a day.
If you post it to eBay, when you announce that you have, post the eBay link at the same time.
Just my 2 cents worth.

==========

In his original listing the man stated he was out of work and needed the money.

Rather than having a little pity for his situation this is what he gets.

RP

RP

42436. Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 21:59:49 UTC
From: Mike Bracey
Topic: 42399 Message: 42436

And we like to hang out with quality people. So far you haven't proved to be able to figure out how to unsubscribe. Maybe you'll find some friendly people somewhere that can help you find the answer.
73,
MikeKE5YTV

From: "73w4udx@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com
Sent: Tuesday, January 2, 2018 2:01 PM
Subject: Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

That's a different one but it is easy to search on eBay. Some people just want to have something to gripe about. Guess the holiday spirit is worn off already. Jeez.... Anyway I'm unsubscribing since even the moderator is up tight.... I like hanging with friendly people.... 73

42437. Re: [DrakeRadio] Test - please delete.

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 23:30:53 UTC
From: VE7PS
Topic: 42421 Message: 42437

At least this one came back to me, but took about an hour this time. My post of yesterday still has not showed up but hopefully Ronnie got the message via the direct route.

All other Yahoo groups seem to post back within a minute or two - some within seconds.

Wonder what's going on? I cannot find anything at my end.

73
Peter
VE7PS

On 1/2/2018 11:11 AM, Barry wrote:
> I've been having similar issues with the Drake list. Something changed a few months ago and it's been haunting me ever since.
>
> Was having similar problems with another list (Tekscopes) and the list was moved to groups.io. Not more problems.
>
> Thanks,
> Barry - N4BUQ
>
> ----- Original Message -----
>> From: "'ve7ps@...' ve7ps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
>> To: drakeradio@yahoogroups.com
>> Sent: Tuesday, January 2, 2018 10:31:32 AM
>> Subject: [DrakeRadio] Test - please delete.
>>
>> Sorry for the bandwidth - my posts in the last month to the group are being
>> delayed hours, days, and sometimes lost completely. Other Yahoo Groups work
>> fine with immediate responses, but not this one! GRRRRR! Trying test
>> direct from webmail.
>>
>> 73
>> Peter
>> VE7PS
>>
>>
>> ------------------------------------
>> Posted by: "ve7ps@..." <ve7ps@...>
>> ------------------------------------
>>
>>
>> ------------------------------------
>>

>> Yahoo Groups Links
>>
>>
>>
>>

This email has been checked for viruses by AVG.
http://www.avg.com

42438. Re: [DrakeRadio] Test - please delete.

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 23:36:22 UTC
From: Richard Knoppow
Topic: 42421 Message: 42438

I am not quite sure if you are getting messages via e-mail. I have
had this problem occasionally, i.e. get my own messages back after a
long delay. I have not noticed which lists it happens on. The only lists
where there is a regular long delay are moderated.

On 1/2/2018 3:30 PM, VE7PS ve7ps@... [DrakeRadio] wrote:
> At least this one came back to me, but took about an hour this time.? My
> post of yesterday still has not showed up but hopefully Ronnie got the
> message via the direct route.
>
> All other Yahoo groups seem to post back within a minute or two - some
> within seconds.
>
> Wonder what's going on?? I cannot find anything at my end.
>
> 73
> Peter
> VE7PS
>
> On 1/2/2018 11:11 AM, Barry wrote:
>> I've been having similar issues with the Drake list. Something changed a few months ago
and it's been haunting me ever since.
>>
>> Was having similar problems with another list (Tekscopes) and the list was moved to
groups.io. Not more problems.
>>
>> Thanks,
>> Barry - N4BUQ
>>
>> ----- Original Message -----
>>> From: "'ve7ps@...' ve7ps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
>>> To: drakeradio@yahoogroups.com
>>> Sent: Tuesday, January 2, 2018 10:31:32 AM
>>> Subject: [DrakeRadio] Test - please delete.
>>>
>>> Sorry for the bandwidth - my posts in the last month to the group are being
>>> delayed hours, days, and sometimes lost completely. Other Yahoo Groups work
>>> fine with immediate responses, but not this one! GRRRRR! Trying test
>>> direct from webmail.
>>>
>>> 73
>>> Peter
>>> VE7PS
>>>
>>>

>>> ------------------------------------
>>> Posted by: "ve7ps@..." <ve7ps@...>
>>> ------------------------------------
>>>
>>>
>>> ------------------------------------
>>>
>>> Yahoo Groups Links
>>>
>>>
>>>
>>>
>
>
> ---
> This email has been checked for viruses by AVG.
> http://www.avg.com
>
>
>
> ------------------------------------
> Posted by: VE7PS <ve7ps@...>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42439. Re: [DrakeRadio] Test - please delete.

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 23:38:11 UTC
From: Richard Knoppow
Topic: 42421 Message: 42439

FWIW, this one came back as soon as I downloaded messages, a few
seconds.

On 1/2/2018 3:36 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> I am not quite sure if you are getting messages via e-mail. I have
> had this problem occasionally, i.e. get my own messages back after a
> long delay. I have not noticed which lists it happens on. The only lists
> where there is a regular long delay are moderated.
>
> On 1/2/2018 3:30 PM, VE7PS ve7ps@... [DrakeRadio] wrote:
>> At least this one came back to me, but took about an hour this time.? My
>> post of yesterday still has not showed up but hopefully Ronnie got the
>> message via the direct route.
>>
>> All other Yahoo groups seem to post back within a minute or two - some
>> within seconds.
>>
>> Wonder what's going on?? I cannot find anything at my end.
>>
>> 73
>> Peter
>> VE7PS
>>
>> On 1/2/2018 11:11 AM, Barry wrote:
>>> I've been having similar issues with the Drake list. Something changed a few months ago
and it's been haunting me ever since.
>>>
>>> Was having similar problems with another list (Tekscopes) and the list was moved to
groups.io. Not more problems.
>>>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42440. Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 00:01:35 UTC
From: Dukes HiFi
Topic: 42399 Message: 42440

Every reflector, chat group, blog or whatever, has flakes who have nothing better to do than write postings that are offensive by design,

Simple minded individuals lack the ability to get satisfaction from helping others or positions useful information, so instead they feast on offending anyone they can.

You need to get past those and harvest the wealth of good information from good people who know what they are doing.

If you let the simpletons drive you away, they win, which is the only way the CAN win.

73

Gary

> On Jan 2, 2018, at 3:59 PM, Mike Bracey mikebracey@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> And we like to hang out with quality people. So far you haven't proved to be able to figure out how to unsubscribe. Maybe you'll find some friendly people somewhere that can help you find the answer.
>
> 73,
>
> Mike
> KE5YTV
>
>
> From: "73w4udx@gmail.com <mailto:73w4udx@...> [DrakeRadio]" <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
> To: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
> Sent: Tuesday, January 2, 2018 2:01 PM
> Subject: Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale
>
>
> That's a different one but it is easy to search on eBay. Some people just want to have something to gripe about. Guess the holiday spirit is worn off already. Jeez.... Anyway I'm unsubscribing since even the moderator is up tight.... I like hanging with friendly people.... 73
>
>
>
>

42441. Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 00:17:39 UTC
From: Bob Maser
Topic: 42399 Message: 42441

Well said. Don't let the bastards get you down!
Bob

On Tue, Jan 2, 2018 at 7:01 PM, Dukes HiFi dukeshifi@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Every reflector, chat group, blog or whatever, has flakes who have nothing
> better to do than write postings that are offensive by design,
>
> Simple minded individuals lack the ability to get satisfaction from
> helping others or positions useful information, so instead they feast on
> offending anyone they can.
>
> You need to get past those and harvest the wealth of good information
> from good people who know what they are doing.
>
> If you let the simpletons drive you away, they win, which is the only way
> the CAN win.
>
> 73
>
> Gary
>
>
>
> On Jan 2, 2018, at 3:59 PM, Mike Bracey mikebracey@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com> wrote:
>
>
> And we like to hang out with quality people. So far you haven't proved to
> be able to figure out how to unsubscribe. Maybe you'll find some friendly
> people somewhere that can help you find the answer.
>
> 73,
>
> Mike
> KE5YTV
>
>
> ------------------------------
> *From:* "73w4udx@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> *To:* DrakeRadio@yahoogroups.com
> *Sent:* Tuesday, January 2, 2018 2:01 PM

> *Subject:* Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale
>
>
> That's a different one but it is easy to search on eBay. Some people just
> want to have something to gripe about. Guess the holiday spirit is worn off
> already. Jeez.... Anyway I'm unsubscribing since even the moderator is up
> tight.... I like hanging with friendly people.... 73
>
>
>
>
>
>

42442. Digital Display for Drake 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 02:26:43 UTC
From: k3jls@...
Topic: 42442 Message: 42442

Hello folks.

I was wondering if there is any interest in a digital frequency display for the Drake 2B similar to the emulation I performed on AADE's DFD-2 for Heathkit and Century 21 radios. I believe I can tweak the code so that it will compute the frequencies of the converter crystals in conjunction with the VFO. The DFD2 'clone' is described on my website here:

http://k3jls.net/DFD_2.html http://k3jls.net/DFD_2.html

Another option might be 'hacking' the code of the Chinese 6 digit chip to accomplish the same end using some additional switching hardware. I've already successfully reprogrammed its PIC16F648A processor for other tasks.

Please message me directly with your thoughts.

Joe - K3JLS

42443. Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 04:36:22 UTC
From: Steve Mercure
Topic: 42399 Message: 42443

I'm glad you posted some "best practices" procedures for this group. I've got a working RV4-C that has recently become surplus to my needs and want to sell it to someone who needs one. Now I've got a game plan on how to approach the sale. First I've got to hook it up to my TR-4 and make sure it works, and take a picture or two. None of this, "worked last time I used it" garbage.

73 de W5EN Steve

From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of Joe w7rkn.7@...
[DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Tuesday, January 2, 2018 2:21 PM
To: DrakeRadio@yahoogroups.com; 73w4udx@...
Subject: RE: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

Mark

OUCH!

I'm NOT uptight....I just agree with the person who posted. If one is going to post a for sale item, to *ANY* group, leave it up there for a few days, to give everyone a chance to buy it, before moving it to another sales site.

That's just common sense, not being uptight. I rarely step in on a thread, even when it is beating the proverbial dead horse with repetition!

And this is one of the friendliest ham groups around, and one of the most helpful. I really doubt you will get too many users here to agree with you that DrakeRadio is nor friendly group.

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Tuesday, January 02, 2018 12:01 PM
To: DrakeRadio@yahoogroups.com
Subject: Re: [DrakeRadio] Re: TR7+PS7 with Astatic desk mic for sale

That's a different one but it is easy to search on eBay. Some people just want to have something to gripe about. Guess the holiday spirit is worn off already. Jeez.... Anyway I'm unsubscribing since even the moderator is up tight.... I like hanging with friendly people.... 73

Posted by: 73w4udx@...

Yahoo Groups Links

42444. Cooling Tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 10:33:47 UTC
From: Richard Knoppow
Topic: 42444 Message: 42444

There was considerable discussion about cooling tubes a couple of weeks ago and there is a sort of perpetual thread about the use of fans on rigs like the TR-3/4 and T4XB/C. I found some research reports on Nick England's set site. The manuals are Navships 900 series, not too far from the top of the list. These are quite technical but may be of interest. In particular Navships 900962, "Design Methods for Natural Cooling of Electronic Equipment" has a discussion of the heat generation and radiation from vacuum tubes in the section beginning on p.61.

http://www.navy-radio.com/manuals/

There is a very great deal of other interesting stuff at this web site.
--
Richard Knoppow
1oldlens1@...
WB6KBL

42445. MN-2000 for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 12:57:29 UTC
From: el34guy@...
Topic: 4264 Message: 42445
Attachments: 1 described; binary payloads are missing from this source WARC

I have a Drake MN-2000 for sale in good condition. Looks good and works good. Looking for 275 OBO. I would also trade for a Heathkit SA-2060A tuner +/- cash. Thanks, 73 and Happy New Year to everyone.

Mark
W0NCL

42447. Drake TR-7 caqbling question

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 16:00:40 UTC
From: kg0mn@...
Topic: 42447 Message: 42447

Can anyone tell me if the cables used on the TR-7 are available or what the name of the connectors are that are on the end of the cables. In particular the cable that is routed through the hole on the DR-7 board. The connector it appears is attached to the braid while the center copper wire is left bare. The center copper wire has broken off on my cable and I would like to replace the cable or the connector.

Thanks Kevin - KG0MN

42448. Re: [DrakeRadio] Drake TR-7 caqbling question

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 17:00:10 UTC
From: MadScientist
Topic: 42447 Message: 42448

I have that cable from a junked TR7

$15 shipped in CONUSA.

Gay

Sent from my iPad

> On Jan 3, 2018, at 10:00 AM, kg0mn@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Can anyone tell me if the cables used on the TR-7 are available or what the name of the connectors are that are on the end of the cables. In particular the cable that is routed through the hole on the DR-7 board. The connector it appears is attached to the braid while the center copper wire is left bare. The center copper wire has broken off on my cable and I would like to replace the cable or the connector.
>
> Thanks Kevin - KG0MN
>
>
>
>

42449. Re: [DrakeRadio] Test - please delete.

Yahoo group: DrakeRadio (2018)
Date: 2018-01-02 23:31:34 UTC
From: VE7PS
Topic: 42421 Message: 42449

Wow! Now that came back in about 2 seconds!!!!!! Weird!

PS

On 1/2/2018 3:30 PM, VE7PS ve7ps@... [DrakeRadio] wrote:
>
> At least this one came back to me, but took about an hour this time. My
> post of yesterday still has not showed up but hopefully Ronnie got the
> message via the direct route.
>
> All other Yahoo groups seem to post back within a minute or two - some
> within seconds.
>
> Wonder what's going on? I cannot find anything at my end.
>
> 73
> Peter
> VE7PS
>
> On 1/2/2018 11:11 AM, Barry wrote:
> > I've been having similar issues with the Drake list. Something
> changed a few months ago and it's been haunting me ever since.
> >
> > Was having similar problems with another list (Tekscopes) and the
> list was moved to groups.io. Not more problems.
> >
> > Thanks,
> > Barry - N4BUQ
> >
> > ----- Original Message -----
> >> From: "'ve7ps@...' ve7ps@... [DrakeRadio]"
> <DrakeRadio@yahoogroups.com>
> >> To: drakeradio@yahoogroups.com
> >> Sent: Tuesday, January 2, 2018 10:31:32 AM
> >> Subject: [DrakeRadio] Test - please delete.
> >>
> >> Sorry for the bandwidth - my posts in the last month to the group
> are being
> >> delayed hours, days, and sometimes lost completely. Other Yahoo
> Groups work
> >> fine with immediate responses, but not this one! GRRRRR! Trying test
> >> direct from webmail.
> >>
> >> 73
> >> Peter

> >> VE7PS
> >>
> >>
> >> ------------------------------------
> >> Posted by: "ve7ps@..." <ve7ps@...>
> >> ------------------------------------
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> >>
> >> Yahoo Groups Links
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> ---
> This email has been checked for viruses by AVG.
> http://www.avg.com
>
>

42450. Re: [DrakeRadio] Cooling Tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 19:28:39 UTC
From: Richard Knoppow
Topic: 42444 Message: 42450

One of the best sources on the early development of "wireless" is the book "History of Communications-Electronics in the United States Navy" Linwood S. Howeth. I think Nick may have it on his site but if not its definitely at Tubebooks.org. I thought it worth finding a used hard copy. If you are fascinated by this history, as I am, there are a handfull of other good books available, some on line for free. The U.S.Navy played a critical role in the development and commercialization of wireless, and especially was key in the creation of RCA. A complicated story filled with fascinating personalities.

On 1/3/2018 6:20 AM, 'Terrell Hamilton' hamilter@... [DrakeRadio] wrote:
>
>
> Richard - Most facinating website, and I was an Air Force guy!In
> particular, there are what look to be ARRL reprints of Naval
> communications history. While not a history text, these are SHORT blurbs
> of what went on, year by year.It's amazing to see facsimile
> transmission, and 19th century wireless in use by the Navy in the 1800's
> and early 1900's - it must have all been Top Secret!Marconi and DeForest
> are central figures .Even remote control of aircraft was in use around
> 1920.Thanks again for good research.
>
> 73
>
> Terry K7WLD

--
Richard Knoppow
1oldlens1@...
WB6KBL

42451. Re: [DrakeRadio] Cooling Tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 20:17:17 UTC
From: Stan McIntosh
Topic: 42444 Message: 42451

A hair over a year ago, a 7' rack homebrew amplifier followed me home. This is the most elaborate power supply, cathode-driven, and metered 813 amp that I've ever seen. Another uniqueness is the pair of blowers and chimeys for cooling the 813s. Eventually, I *will* get to going through the power supply first and then working my way to the amp.

73
Stan
KD4BTH

>

42452. Re: [DrakeRadio] Cooling Tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 20:44:02 UTC
From: Richard Knoppow
Topic: 42444 Message: 42452

One of the best sources on the early development of "wireless" is the book "History of Communications-Electronics in the United States Navy" Linwood S. Howeth. I think Nick may have it on his site but if not its definitely at Tubebooks.org. I thought it worth finding a used hard copy. If you are fascinated by this history, as I am, there are a handfull of other good books available, some on line for free. The U.S.Navy played a critical role in the development and commercialization of wireless, and especially was key in the creation of RCA. A complicated story filled with fascinating personalities.

On 1/3/2018 6:20 AM, Terrell Hamilton wrote:
> Richard - Most facinating website, and I was an Air Force guy!In
> particular, there are what look to be ARRL reprints of Naval
> communications history. While not a history text, these are SHORT blurbs
> of what went on, year by year.It's amazing to see facsimile
> transmission, and 19th century wireless in use by the Navy in the 1800's
> and early 1900's - it must have all been Top Secret!Marconi and DeForest
> are central figures .Even remote control of aircraft was in use around
> 1920.Thanks again for good research.
>
> 73
>
> Terry K7WLD

--
Richard Knoppow
1oldlens1@...
WB6KBL

42453. R4B Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 22:24:49 UTC
From: Richard Knoppow
Topic: 42453 Message: 42453

A new problem. The overall level is way down plus the pass band tuning is very odd. I've done some trouble shooting and tried some adjustments but am wondering if the crystal filter has laid an egg. My one and only scope is on the fritz at the moment but I can probably make some level measurements without it. I wonder if others have had similar problems and how they went about confirming that it was the filter. I have not yet looked to see if its possible to get the filter case off. I also do not know how long this problem has been going on but think it is very recent. I recently replaced the RF tube and IF amp tubes. That seems to have fixed the AVC problem. I check the 12BE6 mixer and it seems to be fine. Since I have been ill recently I have not been doing much to troubleshoot.
BTW, the kind of voltmeter makes a huge difference when checking the activity of the carrier oscillator. The book specifies 11 megohms or higher to measure at pin 1. I used by -hp- digital bench meter, which is speced at 10meg and got about 3 volts there instead of the 11.5V in the chart. I think tried my -hp- 410B which is 122 megohm in and got close to 13volts, so I think the oscillator is working OK. Out of curiosity I will try this with a couple of other meters and see what I get but I think the 410B is pretty close to the actual voltage.
More anon.
Happy New Year to all.

--
Richard Knoppow
1oldlens1@...
WB6KBL

42454. Re: [DrakeRadio] Cooling Tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 22:28:49 UTC
From: john
Topic: 42444 Message: 42454

http://earlyradiohistory.us/1963hw.htm

This is a link to the HTML version of the book .

Thanks Richard
John K5MO

On 1/3/2018 3:44 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> History of Communications-Electronics in the United States
> Navy

--
III

42455. Re: [DrakeRadio] R4B Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 22:46:51 UTC
From: Garey Barrell
Topic: 42453 Message: 42455

You can just bypass the filter as it is a “roofing” type.

--
73, Garey - K4OAH
Rome, GA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

> On Jan 3, 2018, at 5:24 PM, Richard Knoppow 1oldlens1@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> A new problem. The overall level is way down plus the pass band
> tuning is very odd. I've done some trouble shooting and tried some
> adjustments but am wondering if the crystal filter has laid an egg. My
> one and only scope is on the fritz at the moment but I can probably make
> some level measurements without it. I wonder if others have had similar
> problems and how they went about confirming that it was the filter. I
> have not yet looked to see if its possible to get the filter case off. I
> also do not know how long this problem has been going on but think it is
> very recent. I recently replaced the RF tube and IF amp tubes. That
> seems to have fixed the AVC problem. I check the 12BE6 mixer and it
> seems to be fine. Since I have been ill recently I have not been doing
> much to troubleshoot.
> BTW, the kind of voltmeter makes a huge difference when checking
> the activity of the carrier oscillator. The book specifies 11 megohms or
> higher to measure at pin 1. I used by -hp- digital bench meter, which is
> speced at 10meg and got about 3 volts there instead of the 11.5V in the
> chart. I think tried my -hp- 410B which is 122 megohm in and got close
> to 13volts, so I think the oscillator is working OK. Out of curiosity I
> will try this with a couple of other meters and see what I get but I
> think the 410B is pretty close to the actual voltage.
> More anon.
> Happy New Year to all.
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
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> Yahoo Groups Links
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42456. Re: [DrakeRadio] R4B Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 22:44:34 UTC
From: Garey Barrell
Topic: 42453 Message: 42456

Look to see if the four slugs an the back of the passband tuner are moving in and out smoothly. They should be max out with the knob pointing to the left.
There is an Alignment procedure on the CD.
Also verify that the knob is not slipping as it is 1/8” with a split reducer. MUST have the knob setscrew 90 Degrees to split or it WILL slip.

--
73, Garey - K4OAH
Rome, GA

Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement CDs
<www.k4oah.com>

> On Jan 3, 2018, at 5:24 PM, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> A new problem. The overall level is way down plus the pass band
> tuning is very odd. I've done some trouble shooting and tried some
> adjustments but am wondering if the crystal filter has laid an egg. My
> one and only scope is on the fritz at the moment but I can probably make
> some level measurements without it. I wonder if others have had similar
> problems and how they went about confirming that it was the filter. I
> have not yet looked to see if its possible to get the filter case off. I
> also do not know how long this problem has been going on but think it is
> very recent. I recently replaced the RF tube and IF amp tubes. That
> seems to have fixed the AVC problem. I check the 12BE6 mixer and it
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> much to troubleshoot.
> BTW, the kind of voltmeter makes a huge difference when checking
> the activity of the carrier oscillator. The book specifies 11 megohms or
> higher to measure at pin 1. I used by -hp- digital bench meter, which is
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> chart. I think tried my -hp- 410B which is 122 megohm in and got close
> to 13volts, so I think the oscillator is working OK. Out of curiosity I
> will try this with a couple of other meters and see what I get but I
> think the 410B is pretty close to the actual voltage.
> More anon.
> Happy New Year to all.
>
> --
> Richard Knoppow
> 1oldlens1@...m
> WB6KBL
>
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42457. Re: [DrakeRadio] Cooling Tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-03 22:56:36 UTC
From: William Pinkava
Topic: 42444 Message: 42457

Stan, I’ve always been intrigued by 813 amps. Do you have a schematic you can share? Tnx, Bill AE8EA

Sent from my iPhone

> On Jan 3, 2018, at 5:28 PM, john johnmb@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> http://earlyradiohistory.us/1963hw.htm
>
> This is a link to the HTML version of the book .
>
> Thanks Richard
> John K5MO
>
> On 1/3/2018 3:44 PM, Richard Knoppow 1oldlens1@...
> [DrakeRadio] wrote:
>> History of Communications-Electronics in the United States
>> Navy
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42458. Re: [DrakeRadio] R4B Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 01:34:50 UTC
From: Steve Wedge
Topic: 42453 Message: 42458

Welcome back, Garey!

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Jan 3, 2018, at 17:44, Garey Barrell k4oah@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> Look to see if the four slugs an the back of the passband tuner are moving in and out smoothly. They should be max out with the knob pointing to the left.
>
> There is an Alignment procedure on the CD.
> Also verify that the knob is not slipping as it is 1/8” with a split reducer. MUST have the knob setscrew 90 Degrees to split or it WILL slip.
>
>
> --
> 73, Garey - K4OAH
> Rome, GA
>
> Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
> and TR-4/C Service Supplement CDs
> <www.k4oah.com>
>
>
>> On Jan 3, 2018, at 5:24 PM, Richard Knoppow 1oldlens1@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>>
>> A new problem. The overall level is way down plus the pass band
>> tuning is very odd. I've done some trouble shooting and tried some
>> adjustments but am wondering if the crystal filter has laid an egg. My
>> one and only scope is on the fritz at the moment but I can probably make
>> some level measurements without it. I wonder if others have had similar
>> problems and how they went about confirming that it was the filter. I
>> have not yet looked to see if its possible to get the filter case off. I
>> also do not know how long this problem has been going on but think it is
>> very recent. I recently replaced the RF tube and IF amp tubes. That
>> seems to have fixed the AVC problem. I check the 12BE6 mixer and it
>> seems to be fine. Since I have been ill recently I have not been doing
>> much to troubleshoot.
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>> the activity of the carrier oscillator. The book specifies 11 megohms or
>> higher to measure at pin 1. I used by -hp- digital bench meter, which is
>> speced at 10meg and got about 3 volts there instead of the 11.5V in the
>> chart. I think tried my -hp- 410B which is 122 megohm in and got close

>> to 13volts, so I think the oscillator is working OK. Out of curiosity I
>> will try this with a couple of other meters and see what I get but I
>> think the 410B is pretty close to the actual voltage.
>> More anon.
>> Happy New Year to all.
>>
>> --
>> Richard Knoppow
>> 1oldlens1@...om..com
>> WB6KBL
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42459. Re: MN-2000 for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 01:44:26 UTC
From: Jim Lokken
Topic: 4264 Message: 42459

If you are looking for Heathkit, I can tell you the 2060 is superior to the 2060A

42460. RE: [DrakeRadio] Re: MN-2000 for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 01:56:34 UTC
From: Joe
Topic: 4264 Message: 42460

I have a perfectly built SA-2040 that works great, but, don’t use it anymore since I put the 2700 in line. I am evaluating it with my PalStar ATK2K.

Whichever one I don’t use, I will probably sell. (I’m thinking the Heathkit. I am tossing around a $400.00 figure)

[Just kidding…GADS, I might find someone to buy it for that price, but I imagine it would be a cold day in hell before I would find that person. LOL! But hey, on eBay, who knows?!!]

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Re: MN-2000 for sale

If you are looking for Heathkit, I can tell you the 2060 is superior to the 2060A

42461. Re: [DrakeRadio] Re: MN-2000 for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 01:58:09 UTC
From: RAY FRIESS
Topic: 4264 Message: 42461

What reasonable price would you take?

Sent from my Verizon LG Smartphone

------ Original message------
From: Joe w7rkn.7@... [DrakeRadio]
Date: Wed, Jan 3, 2018 5:56 PM
To: DrakeRadio@yahoogroups.com;'Jim Lokken';
Cc:
Subject:RE: [DrakeRadio] Re: MN-2000 for sale

I have a perfectly built SA-2040 that works great, but, don’t use it anymore since I put the 2700 in line. I am evaluating it with my PalStar ATK2K.

Whichever one I don’t use, I will probably sell. (I’m thinking the Heathkit. I am tossing around a $400.00 figure)

[Just kidding…GADS, I might find someone to buy it for that price, but I imagine it would be a cold day in hell before I would find that person. LOL! But hey, on eBay, who knows?!!]

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Re: MN-2000 for sale

If you are looking for Heathkit, I can tell you the 2060 is superior to the 2060A

42462. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current: solved

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 03:21:13 UTC
From: Andrew Olson
Topic: 42394 Message: 42462

Thanks to all for the helpful suggestions. Deoxit cleaning of the bandswitches, tube pins and sockets has solved the problems I was having. Now no problems with the tune up procedure. With the T-4XB properly tuned and loaded the W-4 wattmeter is showing 150 W output into a 50 ohm dummy load on 40 meters.

Now just waiting for a balanced line tuner and then I hope to get on the air.

73,
Andrew, N6DRU

42463. Re: Drake R4 and AM

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 04:24:12 UTC
From: cqdew1uo@...
Topic: 42392 Message: 42463

Drake also made an LF converter for the 4 line. I saw a couple at Dayton two years ago.

https://www.radiomuseum.org/r/drake_4_lf4l.html
https://www.radiomuseum.org/r/drake_4_lf4l.html

I have the 2-LF in my 2B. I don't know if that would plug and play in the R4. I didn't use either of the two crystals supplied by Drake. I use a 27.6 MHz crystal which allows complete coverage of the BCB and 160 meters without changing crystals. It actually works pretty well on the BCB. I measured the sensitivity and it was excellent.

Pete W1UO/6

42464. Re: [DrakeRadio] R4B Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 04:32:54 UTC
From: Richard Knoppow
Topic: 42453 Message: 42464

The tuning rack in the tunable IF seems to be perfect. I can
adjust the tuning with the slugs but something is wrong with the tuning.
I think it is the signal fed into the IF rather than the IF itself. I am
suspicious of the xtal filter. More mesurements tomorrow, maybe an make
sense of it.

On 1/3/2018 2:44 PM, Garey Barrell wrote:
> Look to see if the four slugs an the back of the passband tuner are
> moving in and out smoothly. They should be max out with the knob
> pointing to the left.
> There is an Alignment procedure on the CD.
> Also verify that the knob is not slipping as it is 1/8? with a split
> reducer. MUST have the knob setscrew 90 Degrees to split or it WILL slip.
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> --
> 73, Garey - K4OAH
> Rome, GA
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> Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
> and TR-4/C Service Supplement CDs
> <www.k4oah.com <http://www.k4oah.com/>>
>
>
> On Jan 3, 2018, at 5:24 PM, Richard Knoppow 1oldlens1@...
> <mailto:1oldlens1@...> [DrakeRadio]
> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> ????A new problem. The overall level is way down plus the pass band
>> tuning is very odd. I've done some trouble shooting and tried some
>> adjustments but am wondering if the crystal filter has laid an egg. My
>> one and only scope is on the fritz at the moment but I can probably make
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>> problems and how they went about confirming that it was the filter. I
>> have not yet looked to see if its possible to get the filter case off. I
>> also do not know how long this problem has been going on but think it is
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>> seems to have fixed the AVC problem. I check the 12BE6 mixer and it
>> seems to be fine. Since I have been ill recently I have not been doing
>> much to troubleshoot.
>> ????BTW, the kind of voltmeter makes a huge difference when checking
>> the activity of the carrier oscillator. The book specifies 11 megohms or
>> higher to measure at pin 1. I used by -hp- digital bench meter, which is
>> speced at 10meg and got about 3 volts there instead of the 11.5V in the
>> chart. I think tried my -hp- 410B which is 122 megohm in and got close

>> to 13volts, so I think the oscillator is working OK. Out of curiosity I
>> will try this with a couple of other meters and see what I get but I
>> think the 410B is pretty close to the actual voltage.
>> ????More anon.
>> ????Happy New Year to all.
>>
>> --
>> Richard Knoppow
>> 1oldlens1@... <mailto:1oldlens1@...>
>> WB6KBL
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>> Yahoo Groups Links
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>>
>> DrakeRadio-fullfeatured@yahoogroups.com
>> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
>>
>>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42465. Re: [DrakeRadio] R4B Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 04:34:14 UTC
From: Richard Knoppow
Topic: 42453 Message: 42465

I will have to look at the schematic to see how to do this. If
bypassing it solves the problem or even changes it significantly it will
be a clue if not an answer.

On 1/3/2018 2:46 PM, Garey Barrell wrote:
> You can just bypass the filter as it is a ?roofing? type.
>
>
> --
> 73, Garey - K4OAH
> Rome, GA
>
> Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
> and TR-4/C Service Supplement CDs
> <www.k4oah.com <http://www.k4oah.com/>>
>
>
> On Jan 3, 2018, at 5:24 PM, Richard Knoppow 1oldlens1@...
> <mailto:1oldlens1@...> [DrakeRadio]
> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> ????A new problem. The overall level is way down plus the pass band
>> tuning is very odd. I've done some trouble shooting and tried some
>> adjustments but am wondering if the crystal filter has laid an egg. My
>> one and only scope is on the fritz at the moment but I can probably make
>> some level measurements without it. I wonder if others have had similar
>> problems and how they went about confirming that it was the filter. I
>> have not yet looked to see if its possible to get the filter case off. I
>> also do not know how long this problem has been going on but think it is
>> very recent. I recently replaced the RF tube and IF amp tubes. That
>> seems to have fixed the AVC problem. I check the 12BE6 mixer and it
>> seems to be fine. Since I have been ill recently I have not been doing
>> much to troubleshoot.
>> ????BTW, the kind of voltmeter makes a huge difference when checking
>> the activity of the carrier oscillator. The book specifies 11 megohms or
>> higher to measure at pin 1. I used by -hp- digital bench meter, which is
>> speced at 10meg and got about 3 volts there instead of the 11.5V in the
>> chart. I think tried my -hp- 410B which is 122 megohm in and got close
>> to 13volts, so I think the oscillator is working OK. Out of curiosity I
>> will try this with a couple of other meters and see what I get but I
>> think the 410B is pretty close to the actual voltage.
>> ????More anon.
>> ????Happy New Year to all.
>>
>> --

>> Richard Knoppow
>> 1oldlens1@... <mailto:1oldlens1@...>
>> WB6KBL
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>> Yahoo Groups Links
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>>
>> DrakeRadio-fullfeatured@yahoogroups.com
>> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
>>
>>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42466. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current: solved

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 04:50:07 UTC
From: Evan
Topic: 42394 Message: 42466

Andrew,

WHOA, that is way too much output if you want the tubes to last...assuming the wattmeter is reasonably accurate.

73,

Evan

-----Original Message-----
From: Andrew Olson zoydxwheeler@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Wed, Jan 3, 2018 10:23 pm
Subject: Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current: solved

Thanks to all for the helpful suggestions. Deoxit cleaning of the
bandswitches, tube pins and sockets has solved the problems I was
having. Now no problems with the tune up procedure. With the T-4XB
properly tuned and loaded the W-4 wattmeter is showing 150 W output into
a 50 ohm dummy load on 40 meters.

Now just waiting for a balanced line tuner and then I hope to get on the
air.

73,
Andrew, N6DRU

Yahoo Groups Links

42467. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current: solved

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 05:13:19 UTC
From: Andrew Olson
Topic: 42394 Message: 42467

Evan,

What would you suggest for a reasonable output level for long tube life?
Andrew

On 01/03/2018 08:50 PM, Evan k9sqg@... [DrakeRadio] wrote:
> Andrew,
>
>
> WHOA, that is way too much output if you want the tubes to
> last...assuming the wattmeter is reasonably accurate.
>
> 73,
>
> Evan
>
>
> -----Original Message-----
> From: Andrew Olson zoydxwheeler@... [DrakeRadio]
> <DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>
> Sent: Wed, Jan 3, 2018 10:23 pm
> Subject: Re: [DrakeRadio] during T-4XB tune up procedure: no increase in
> plate current: solved
>
> Thanks to all for the helpful suggestions. Deoxit cleaning of the
> bandswitches, tube pins and sockets has solved the problems I was
> having. Now no problems with the tune up procedure. With the T-4XB
> properly tuned and loaded the W-4 wattmeter is showing 150 W output into
> a 50 ohm dummy load on 40 meters.
>
> Now just waiting for a balanced line tuner and then I hope to get on the
> air.
>
> 73,
> Andrew, N6DRU
>
>
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> ------------------------------------
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42468. RE: [DrakeRadio] Re: MN-2000 for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 06:38:47 UTC
From: Joe
Topic: 4264 Message: 42468

I haven't decided to sell it yet. And If I do, I will post it on QRZ, QTH, or HeathKit_HFAmps, not here, as it is not Drake. You do check out QRZ daily, right?!! J

Joe - W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Wednesday, January 03, 2018 5:58 PM
To: Joe w7rkn.7@... [DrakeRadio]; 'Jim Lokken'
Subject: Re: [DrakeRadio] Re: MN-2000 for sale

What reasonable price would you take?

Sent from my Verizon LG Smartphone

------ Original message------

From: Joe w7rkn.7@... [DrakeRadio]

Date: Wed, Jan 3, 2018 5:56 PM

To: DrakeRadio@yahoogroups.com;'Jim Lokken';

Cc:

Subject:RE: [DrakeRadio] Re: MN-2000 for sale

I have a perfectly built SA-2040 that works great, but, don't use it anymore since I put the 2700 in line. I am evaluating it with my PalStar ATK2K.

Whichever one I don't use, I will probably sell. (I'm thinking the Heathkit. I am tossing around a $400.00 figure)

[Just kidding.GADS, I might find someone to buy it for that price, but I imagine it would be a cold day in hell before I would find that person. LOL! But hey, on eBay, who knows?!!]

Joe - W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Re: MN-2000 for sale

If you are looking for Heathkit, I can tell you the 2060 is superior to the 2060A

42469. FS: Drake T4XC, R4C, MS4

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 14:24:24 UTC
From: kg0mn@...
Topic: 42469 Message: 42469

I have decided to sell one of the C-lines I have, each of units work perfectly and they are in great shape.

T4XC = serial number 25959
R4C = serial number 16632
MS4 = excellent condition
Also includes Sherwood mods for Audio and Power Supply.

Both units are stock with now mods. No noise blanker, or crystal filters. Price for all items $500.00 plus FedEx shipping. For an additional $150.00 I will include the N3ZI digital VFO - ESP-1000. Pictures upon request.

Kevin - KG0MN

42470. Replacement 1N483A diodes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 18:08:16 UTC
From: Charles Bostian
Topic: 42470 Message: 42470

My R4B has sensitivity problems, and after several hours of measurements, I think the problem is at least in part due to several bad diodes. D3 is open, and D18 has a pretty high forward resistance. These may not be all that's wrong, but they explain the incorrect voltages that I am measuring. Does anybody have a source for these or a good replacement to recommend? Neither Mouser nor Digikey has 1N483A's in stock. Amazon offers only some suspicious looking Russian parts.
Thanks and 73,
Charles W4KEP

--

Charles W. Bostian
Alumni Distinguished Professor of ECE Emeritus
Virginia Tech
1609 Kennedy Avenue
Blacksburg, VA 24060-5731
540-552-9327 (H)

42471. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current: solved

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 18:14:25 UTC
From: Jerry Stover
Topic: 42394 Message: 42471

Hi Andrew, for what it's worth, on both my b & c lines I get about 110w out on 40m.
And that's with a fresh alignment and new finals and drivers.
You should take Evan's advice. Jerry, W6dst. "73".

Sent from my iPad

> On Jan 3, 2018, at 8:50 PM, Evan k9sqg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Andrew,
>
>
> WHOA, that is way too much output if you want the tubes to last...assuming the wattmeter is reasonably accurate.
>
> 73,
>
> Evan
>
>
> -----Original Message-----
> From: Andrew Olson zoydxwheeler@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>
> Sent: Wed, Jan 3, 2018 10:23 pm
> Subject: Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current: solved
>
> Thanks to all for the helpful suggestions. Deoxit cleaning of the
> bandswitches, tube pins and sockets has solved the problems I was
> having. Now no problems with the tune up procedure. With the T-4XB
> properly tuned and loaded the W-4 wattmeter is showing 150 W output into
> a 50 ohm dummy load on 40 meters.
>
> Now just waiting for a balanced line tuner and then I hope to get on the
> air.
>
> 73,
> Andrew, N6DRU
>
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> Yahoo Groups Links
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42472. Re: [DrakeRadio] Replacement 1N483A diodes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 18:21:55 UTC
From: KL7AM
Topic: 42470 Message: 42472

NTE 177 is a sub and it looks like Digi-Key has some
https://www.digikey.com/product-detail/en/microsemi-corporation/1N483A/1N483A-ND/4378289?utm_medium=buyNow&utm_source=FindChips
They don't look like anything real special

From: "DrakeRadio" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
Sent: Thursday, January 4, 2018 9:08:16 AM
Subject: [DrakeRadio] Replacement 1N483A diodes

My R4B has sensitivity problems, and after several hours of measurements, I think the problem is at least in part due to several bad diodes. D3 is open, and D18 has a pretty high forward resistance. These may not be all that's wrong, but they explain the incorrect voltages that I am measuring. Does anybody have a source for these or a good replacement to recommend? Neither Mouser nor Digikey has 1N483A's in stock. Amazon offers only some suspicious looking Russian parts.
Thanks and 73,
Charles W4KEP

--
Charles W. Bostian
Alumni Distinguished Professor of ECE Emeritus
Virginia Tech
1609 Kennedy Avenue
Blacksburg, VA 24060-5731
540-552-9327 (H)

42473. Re: [DrakeRadio] during T-4XB tune up procedure: no increase in plate current: solved

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 18:28:09 UTC
From: Richard Knoppow
Topic: 42394 Message: 42473

I think before getting too upset about this I would check the power meter for calibration and also the value of the dummy load. Most dummy loads work down to DC so an ohm meter reading is good enough. Checking calibration of a power meter requires a good RF voltmeter. The measurement is simple enough P=E^2/R but you must know R and have a reliable measurement for E.
FWIW, my T4XB with fresh tubes, etc., will make about 150 Watts on CW on 40 meters or below. On SSB you will get less because the ALC limits it to around 130 Watts max. If you find your power measurement is accurate it won't hurt to back it down a little. I would do this with the load control reducing load slightly. The duty cycle of CW is low enough to prevent excessive dissipation in the finals. What mainly kills the finals is spurious oscillation due to poor neutralization.

On 1/4/2018 10:14 AM, Jerry Stover gpastover@... [DrakeRadio] wrote:
>
>
> Hi Andrew, for what it's worth, on both my b & c lines I get about 110w
> out on 40m.
> ?And that's with a fresh alignment and new finals and drivers.
> You should take Evan's advice. ?Jerry, W6dst. "73".
>
> Sent from my iPad
>
> On Jan 3, 2018, at 8:50 PM, Evan k9sqg@... <mailto:k9sqg@...>
> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> Andrew,
>>
>>
>> WHOA, that is way too much output if you want the tubes to
>> last...assuming the wattmeter is reasonably accurate.
>>
>> 73,
>>
>> Evan
>>
>>
>> -----Original Message-----
>> From: Andrew Olson zoydxwheeler@...
>> <mailto:zoydxwheeler@...> [DrakeRadio]
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
>> To: DrakeRadio <DrakeRadio@yahoogroups.com

>> <mailto:DrakeRadio@yahoogroups.com>>
>> Sent: Wed, Jan 3, 2018 10:23 pm
>> Subject: Re: [DrakeRadio] during T-4XB tune up procedure: no increase
>> in plate current: solved
>>
>> Thanks to all for the helpful suggestions. Deoxit cleaning of the
>> bandswitches, tube pins and sockets has solved the problems I was
>> having. Now no problems with the tune up procedure. With the T-4XB
>> properly tuned and loaded the W-4 wattmeter is showing 150 W output into
>> a 50 ohm dummy load on 40 meters.
>>
>> Now just waiting for a balanced line tuner and then I hope to get on the
>> air.
>>
>> 73,
>> Andrew, N6DRU
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>> Yahoo Groups Links
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>> <mailto:fullfeatured@yahoogroups.com>
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Richard Knoppow
1oldlens1@...
WB6KBL

42474. Re: [DrakeRadio] Replacement 1N483A diodes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 18:51:26 UTC
From: Jim Wiley
Topic: 42470 Message: 42474

The datasheet for the 1N483A diode says it is a general purpose silicon rectifier, so almost any silicon diode should work. Try a1N4007 (almost any diode in the 1N4xxx series will do, just make sure it has a Peak reverse rating of 200 volts or more)

I use 1N4007's for everything except detector diodes- buy 'em literally in bags of 1000 from Mouser. Here is a link:

Mouser part number price (qty 10) $1.64
863-1N4007RLG

Mfr: ON Semiconductor P/N 1N4007G

Direct link:

On 1/4/2018 9:08 AM, Charles Bostian bostian@... [DrakeRadio] wrote:
> My R4B has sensitivity problems, and after several hours of
> measurements, I think the problem is at least in part due to several
> bad diodes. D3 is open, and D18 has a pretty high forward
> resistance. These may not be all that's wrong, but they explain the
> incorrect voltages that I am measuring. Does anybody have a source
> for these or a good replacement to recommend? Neither Mouser nor
> Digikey has 1N483A's in stock. Amazon offers only some suspicious
> looking Russian parts.
> Thanks and 73,
> Charles W4KEP
>
> --
> Charles W. Bostian Alumni Distinguished Professor of ECE Emeritus
> Virginia Tech 1609 Kennedy Avenue Blacksburg, VA 24060-5731
> 540-552-9327 (H)
>

42475. Re: [DrakeRadio] Replacement 1N483A diodes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 19:17:37 UTC
From: Douglas Glenn
Topic: 42470 Message: 42475

The 1N483 part is a fast recovery part. At the time your receiver was built, fast recovery rectifiers were still a little unusual. Today, with modern switch-mode power supplies, fast recovery rectifiers are a dime a dozen.

If the standard recovery 1N400x part doesn't work, try a 1N4934 or equivalent.

Doug - K3ZMG

From: "Jim Wiley jwiley@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Thursday, January 04, 2018 12:51 PM
To: DrakeRadio@yahoogroups.com, "Charles Bostian" <bostian@...>
Subject: Re: [DrakeRadio] Replacement 1N483A diodes

The datasheet for the 1N483A diode says it is a general purpose silicon rectifier, so almost any silicon diode should work. Try a 1N4007 (almost any diode in the 1N4xxx series will do, just make sure it has a Peak reverse rating of 200 volts or more)

I use 1N4007's for everything except detector diodes- buy 'em literally in bags of 1000 from Mouser . Here is a link:

Mouser part number price (qty 10) $1.64 863-1N4007RLG

Mfr: ON Semiconductor P/N 1N4007G

Direct link:

On 1/4/2018 9:08 AM, Charles Bostian bostian@... [DrakeRadio] wrote:
My R4B has sensitivity problems, and after several hours of measurements, I think the problem is at least in part due to several bad diodes. D3 is open, and D18 has a pretty high forward resistance. These may not be all that's wrong, but they explain the incorrect voltages that I am measuring. Does anybody have a source for these or a good replacement to recommend? Neither Mouser nor Digikey has 1N483A's in stock. Amazon offers only some suspicious looking Russian parts.
Thanks and 73,
Charles W4KEP

--

Charles W. Bostian Alumni Distinguished Professor of ECE Emeritus Virginia Tech 1609 Kennedy Avenue Blacksburg, VA 24060-5731 540-552-9327 (H)

42476. Re: [DrakeRadio] Replacement 1N483A diodes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 20:19:29 UTC
From: Charles Bostian
Topic: 42470 Message: 42476

Thanks to everyone who responded for this helpful advice. Obviously,
getting replacement diodes is not going to be a problem!
73 Charles W4KEP

On Thu, Jan 4, 2018 at 2:17 PM, Douglas Glenn <dglenn@...> wrote:

> The 1N483 part is a fast recovery part. At the time your receiver was
> built, fast recovery rectifiers were still a little unusual. Today, with
> modern switch-mode power supplies, fast recovery rectifiers are a dime a
> dozen.
>
> If the standard recovery 1N400x part doesn't work, try a 1N4934 or
> equivalent.
>
> Doug - K3ZMG
> ------------------------------
> *From*: "Jim Wiley jwiley@... [DrakeRadio]" <
> DrakeRadio@yahoogroups.com>
> *Sent*: Thursday, January 04, 2018 12:51 PM
> *To*: DrakeRadio@yahoogroups.com, "Charles Bostian" <bostian@...>
> *Subject*: Re: [DrakeRadio] Replacement 1N483A diodes
>
>
>
> The datasheet for the 1N483A diode says it is a general purpose silicon
> rectifier, so almost any silicon diode should work. Try a 1N4007 (almost
> any diode in the 1N4xxx series will do, just make sure it has a Peak
> reverse rating of 200 volts or more)
>
> I use 1N4007's for everything except detector diodes- buy 'em literally
> in bags of 1000 from Mouser. Here is a link:
>
> Mouser part number price (qty 10) $1.64
> 863-1N4007RLG
>
> Mfr: ON Semiconductor P/N 1N4007G
>
> Direct link:
>
>
>
> On 1/4/2018 9:08 AM, Charles Bostian bostian@... [DrakeRadio] wrote:
>
>
> My R4B has sensitivity problems, and after several hours of measurements,

> I think the problem is at least in part due to several bad diodes. D3 is
> open, and D18 has a pretty high forward resistance. These may not be all
> that's wrong, but they explain the incorrect voltages that I am measuring.
> Does anybody have a source for these or a good replacement to recommend?
> Neither Mouser nor Digikey has 1N483A's in stock. Amazon offers only some
> suspicious looking Russian parts.
> Thanks and 73,
> Charles W4KEP
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> --
>
> Charles W. Bostian
> Alumni Distinguished Professor of ECE Emeritus
> Virginia Tech
> 1609 Kennedy Avenue
> Blacksburg, VA 24060-5731540-552-9327 <(540)%20552-9327> (H)
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Charles W. Bostian
Alumni Distinguished Professor of ECE Emeritus
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1609 Kennedy Avenue
Blacksburg, VA 24060-5731
540-552-9327 (H)

42477. RV-4C for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 20:23:49 UTC
From: w5en@...
Topic: 35119 Message: 42477
Attachments: 2 described; binary payloads are missing from this source WARC

Here is a working RV-4C for sale. Because of a recent purchase of a B Line, this VFO is now surplus to my needs. I've posted a video to show it does work.

This for the VFO only, no power supply. The VFO does have a couple of scratches on top from another piece of equipment. The dial light does not work, but as you can see in the video it does control the rig just fine.

https://youtu.be/FkFlisI3oJw https://youtu.be/FkFlisI3oJw

For $200 I'll pack it, insure it, and ship it to you in the lower 48 States. If you live in AK or HI contact me and we can work something out. I'll leave this open here for a couple of days, then off to EBay. If you need some additional pictures I'll do my best.

Contact me via my "ham radio" email account, w5en@hotmail.com I'll take Paypal, or postal money order. If you need some other pictures or any other questions, feel free to contact me.

73 de W5EN

42478. DRAKE TR7A Frequency readout and tuning problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 22:32:06 UTC
From: whopkin4@...
Topic: 42478 Message: 42478

I have a TR7 here that doesn't show the frequeny correctly. Numbers show up in all tubes. When I rotate the PTO (which seems to work fine) I don't get any signals or noise - no reception - and the reading hovers around 96250 on bands up through 14. On 21 and 28.5 the readout shows ca. 9296/9298. There s a light drifting of tones, barely audible. In fact, sometimes two tones cross in pitch. I have reseated all the suspect cards under the big board and still nothing. Does anyone have an idea what my next step should be?
Bill/AA2YV

42479. Re: [DrakeRadio] DRAKE TR7A Frequency readout and tuning problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 23:51:13 UTC
From: Hal Dale
Topic: 42478 Message: 42479

Pull the PCB with the display and clean and deOxit ALL contacts and re-seat the board....Absolute the first place to start....Hal/WB4AEG

---- On Thu, 04 Jan 2018 17:32:06 -0500 whopkin4@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote ----

I have a TR7 here that doesn't show the frequeny correctly. Numbers show up in all tubes. When I rotate the PTO (which seems to work fine) I don't get any signals or noise - no reception - and the reading hovers around 96250 on bands up through 14. On 21 and 28.5 the readout shows ca. 9296/9298. There s a light drifting of tones, barely audible. In fact, sometimes two tones cross in pitch. I have reseated all the suspect cards under the big board and still nothing. Does anyone have an idea what my next step should be?

Bill/AA2YV

42480. drake sc-2 2meter converter and power supply for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-05 00:28:56 UTC
From: cqdx35@...
Topic: 42480 Message: 42480
Attachments: 1 described; binary payloads are missing from this source WARC

```
drake sc-2 and cps-1 for sale
100.00
```

42481. Re: RV-4C for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-05 00:29:17 UTC
From: w5en@...
Topic: 35119 Message: 42481

Sold, pending payment, thank you! 73 de W5EN Steve

42482. Re: RV-4C for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-05 00:32:03 UTC
From: w5en@...
Topic: 35119 Message: 42482

Sold, pending payment, thank you! 73 de W5EN Steve

42483. Re: [DrakeRadio] R4B Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-05 01:30:00 UTC
From: Richard Knoppow
Topic: 42453 Message: 42483

Not cured by progress. I checked the tuning of T5 and T6 and found
them significantly off. I don't know how this happened but perhaps the
new tubes affected it. I got rid of the very asymmetric tuning of the
band pass tuner. I am going to order some more tubes since the place I
got the last ones from is not expensive and I want to be able to at
least swap tubes. Then I will do a thorough alignment. At least the
crystal filter does not appear to be broken.
The AVC seems to be behaving itself, at least slow AVC seems
reasonable. However I get a shift in the meter zero and sensitivty
voltage when going to manual gain. Before all this I was getting no
shift. I also think there is something intermittent but can't get it to
act up reliably. More anon...
On 1/3/2018 8:34 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> I will have to look at the schematic to see how to do this. If
> bypassing it solves the problem or even changes it significantly it will
> be a clue if not an answer.

--
Richard Knoppow
1oldlens1@...
WB6KBL

42484. Re: [DrakeRadio] R4B Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-05 02:18:30 UTC
From: Richard Knoppow
Topic: 42453 Message: 42484

On 1/4/2018 5:30 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
>
> Not cured by progress.
^^^^
BUT makes more sense.

--
Richard Knoppow
1oldlens1@...
WB6KBL

42485. Off topic but brief

Yahoo group: DrakeRadio (2018)
Date: 2018-01-05 04:40:59 UTC
From: Ted
Topic: 42485 Message: 42485

> Hello all:
>
> This is off topic, but many seem concerned enough, that I wanted to share a few links that point to some very important activities at ARRL, especially with regard to an upcoming board meeting in January that could change the way that members are represented in the ARRL.
>
> If you haven't followed it, here are some informative links.
>
> Many members, as well as clubs, are writing to the directors, officers, and vice directors of ARRL, to ask them to keep the ARRL as a membership-based organization with transparency.
>
> Useful links:
>
> https://www.hamradionow.tv/episodes/2017/12/30/hrn-377-bs11-arrl-cq-happy-new-year?download=true(view after 10:50)
>
> https://forums.qrz.com/index.php?threads/major-change-to-arrl-by-laws-proposed.593056/
>
> https://www.change.org/p/american-radio-relay-league-improve-arrl-transparency-and-respect-for-present-and-future-membership (consider signing the petition and spread the word)
>
> http://www.kb6nu.com/im-not-one-unhappy-recent-arrl-board-moves/
>
> And a recent letter from a club with 1000 members:
> http://pvrc.org/PVRCarrl01012018ver9a.pdf
>
> 73, and thanks for the bandwidth.....and now we return to your regularly scheduled programming.
>
> Ted N9NB

42486. Re: [DrakeRadio] DRAKE TR7A Frequency readout and tuning problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 00:20:56 UTC
From: whopkin4@...
Topic: 42478 Message: 42486

Thanks for the reply Hal. I cleaned the contacts to the readout from the Digital Display Board for the second time. I also cleaned the VCO and Up-Converter board pins again, this time with DeOxit. Re-tweaked the voltage to exactly 10.00V. The TR7 is still demonstrating the same symptoms. A Drake Yahoo member wrote that he has exactly the same symptoms. I will check the voltages to the various PC boards in the hope of getting closer. It could be that the phase lock loop system is the culprit. Another ham has sent me additional online sources for troubleshooting. Stay tuned. Bill Hopkins, AA2YV

42487. Re: [DrakeRadio] DRAKE TR7A Frequency readout and tuning problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 01:25:51 UTC
From: Jim Shorney
Topic: 42478 Message: 42487

Check the +24V source from the PS board. While you are in the area replace C2108 on the PS board as preventative maintenance.

73

-Jim
NU0C

On 06 Jan 2018 00:20:56 +0000, whopkin4@... [DrakeRadio] wrote:

>Thanks for the reply Hal. I cleaned the contacts to the readout from the Digital Display Board for the second time. I also cleaned the VCO and Up-Converter board pins again, this time with DeOxit. Re-tweaked the voltage to exactly 10.00V. The TR7 is still demonstrating the same symptoms. A Drake Yahoo member wrote that he has exactly the same symptoms. I will check the voltages to the various PC boards in the hope of getting closer. It could be that the phase lock loop system is the culprit. Another ham has sent me additional online sources for troubleshooting. Stay tuned. Bill Hopkins, AA2YV

--
?There?s something out of place ? let?s go and poke it with a stick.? ? The Doctor, "Amy?s Choice"

42488. Re: [DrakeRadio] DRAKE TR7A Frequency readout and tuning problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 02:48:43 UTC
From: Dukes HiFi
Topic: 42478 Message: 42488

When the counter acts as you describe, it is ALWAYS due to the synthesizer's being in an unlocked condition. What you are seeing is the VCO, lacking its reference to the PLL chip, going to the maximum frequency for the given VCO.

There are two VCO's in the TR7 which is why the upper limit is different for the upper bands and the lower bands.

Thus you can rule out the VCO's, since it is highly unlikely that both would be bad.

More commonly, one of the little pushbuttons on the front panel for "FIXED" RCV needs Deoxit. Also the RCT button can cause the same thing. These buttons allow you to use other frequency control devices to control the TR7, but when the switches are dirty, they deny part of the Reference signal from the PLL.

Finally, the rotary switch "AUX PROGRAM" can cause the problem, and for the same reason. If the contract between the rotor and the "NORM" position is not good, then the Reference is also missing from the PLL.. Again, Deoxit will fix these most of the time.

These are the low hanging fruit.

The DR7 selects the dividers that are used i the synthesizer. If a bit was stuck on this set of data lines, likely the synthesizer would still lock up but on the wrong frequency or band. It would NOT ramp, as you are seeing.

What you are seeing is total lack of the reference for the PLL. The things I mentioned will cause that loss of reference.

If the PTO is dead, or the TR7 thinks there is an RV7 plugged in, the same thing will happen. This is, if you excuse the pun, a very remote possibility.

The TR7 uses the PTO, summed with the 40 MHz reference, to tune the radio by changing one of the VCO's. This premix is compared with the VCO output, whose operating range is selected by the divider on the Translator board, to tune to the proper frequency. The DR7 tells the Translator board what divisors to use.

In the absence of a DR7, the jumpers that take its place perform that function, but, of course, general coverage operation is lost.

In your case, if you have already cleaned the switches, then I would suspect a problem on the Translator or VCO board rather than any other.

Of course, if the VCO bias were missing, the VCO's would still operate, but they would be frozen at the low end of the VCO range rather than the high end.

Hope this helps…

Gary

> On Jan 5, 2018, at 7:25 PM, 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Check the +24V source from the PS board. While you are in the area replace C2108 on the PS board as preventative maintenance.
>
> 73
>
> -Jim
> NU0C
>
>
> On 06 Jan 2018 00:20:56 +0000, whopkin4@... [DrakeRadio] wrote:
>
>> Thanks for the reply Hal. I cleaned the contacts to the readout from the Digital Display Board for the second time. I also cleaned the VCO and Up-Converter board pins again, this time with DeOxit. Re-tweaked the voltage to exactly 10.00V. The TR7 is still demonstrating the same symptoms. A Drake Yahoo member wrote that he has exactly the same symptoms. I will check the voltages to the various PC boards in the hope of getting closer. It could be that the phase lock loop system is the culprit. Another ham has sent me additional online sources for troubleshooting. Stay tuned. Bill Hopkins, AA2YV
>
>
> --
> ☐There☐s something out of place ☐ let☐s go and poke it with a stick..☐ ☐ The Doctor, "Amy☐s Choice"
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> Yahoo Groups Links
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42489. Re: [DrakeRadio] Replacement 1N483A diodes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-04 19:07:10 UTC
From: Barry
Topic: 42470 Message: 42489

D18?

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Charles Bostian bostian@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Thursday, January 4, 2018 12:08:16 PM
> Subject: [DrakeRadio] Replacement 1N483A diodes
>
> My R4B has sensitivity problems, and after several hours of measurements, I
> think the problem is at least in part due to several bad diodes. D3 is
> open, and D18 has a pretty high forward resistance. These may not be all
> that's wrong, but they explain the incorrect voltages that I am measuring.
> Does anybody have a source for these or a good replacement to recommend?
> Neither Mouser nor Digikey has 1N483A's in stock. Amazon offers only some
> suspicious looking Russian parts.
> Thanks and 73,
> Charles W4KEP
>
> --
>
> Charles W. Bostian
> Alumni Distinguished Professor of ECE Emeritus
> Virginia Tech
> 1609 Kennedy Avenue
> Blacksburg, VA 24060-5731
> 540-552-9327 (H)
>

42490. Vacuum Tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 13:33:36 UTC
From: Bill Gaines
Topic: 42490 Message: 42490

Recently my daughter-in-law’s step dad passed away. Her family is currently going thru his “stuff” so the residence can be sold. He was a former TV repairman and consequently have a cache of tubes to dispose of. I haven't seen it yet nor do I have any idea what types or how many are in it but I am wondering if there is anyone in the group that, once we know the contents, would be interested in it. Right now I am just looking for the names or contacts of people who deal in such items in bulk.

Thanks
Bill AD8P

42493. Re: [DrakeRadio] Vacuum Tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 15:54:31 UTC
From: David Boothe
Topic: 42490 Message: 42493

Bill,

I'm interested. Why don't you reach out via email? I'm good in QRZ.com. I tried to send you a message to your email there, but it failed.

Thanks & 73

Dave K3DWB

On 1/6/2018 8:33 AM, 'Bill Gaines' ad8p@... [DrakeRadio] wrote:
>
> Recently my daughter-in-law’s step dad passed away. Her family is
> currently going thru his “stuff” so the residence can be sold. He was
> a former TV repairman and consequently have a cache of tubes to
> dispose of. I haven't seen it yet nor do I have any idea what types or
> how many are in it but I am wondering if there is anyone in the group
> that, once we know the contents, would be interested in it. Right now
> I am just looking for the names or contacts of people who deal in such
> items in bulk.
> Thanks
> Bill AD8P
>

42494. Do RV3, RV4, TR3 & TR4 use same PTO dial?

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 15:42:52 UTC
From: martyduplissey@...
Topic: 42494 Message: 42494

I have a acquired a RV3 that the dial has become very Yellowed/Browned. Before I start my search for a replacement I'm curious if the same dial will work from a TR3, TR4 or RV4? If so that would greatly enhance my chance of finding one in good condition. And if so where would you suggest i start looking.

Marty
N5KBP

42495. Re: [DrakeRadio] DRAKE TR7A Frequency readout and tuning problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 16:20:21 UTC
From: whopkin4@...
Topic: 42478 Message: 42495

Thanks, will do.
Bill AA2YV

42496. Re: [DrakeRadio] DRAKE TR7A Frequency readout and tuning problem

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 16:22:20 UTC
From: whopkin4@...
Topic: 42478 Message: 42496

Gary,

Your explanation is clear and concise. Thanks for the info. I'll do the cleaning on the switches and get back to you.
Bill AA2YV

42499. Re: [DrakeRadio] Do RV3, RV4, TR3 & TR4 use same PTO dial?

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 16:46:17 UTC
From: Dukes HiFi
Topic: 42494 Message: 42499

TR3 dial will work in RV3. I believe that the TR4 is the same but not TR4C.

I scrapped a TR4 some time ago. I will go look to see if I can find my dial.

Gary

> On Jan 6, 2018, at 9:42 AM, martyduplissey@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> I have a acquired a RV3 that the dial has become very Yellowed/Browned. Before I start my search for a replacement I'm curious if the same dial will work from a TR3, TR4 or RV4? If so that would greatly enhance my chance of finding one in good condition. And if so where would you suggest i start looking.
>
>
>
> Marty
>
> N5KBP
>
>
>
>

42500. For Sale: fixer uppers

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 17:03:05 UTC
From: Jeffrey Angus
Topic: 42500 Message: 42500
Attachments: 4 described; binary payloads are missing from this source WARC

Drake 2A: Rusty and scratched panel. Works surprisingly well.
Drake 2A: Clean but Joe "Claw Hammer" Ham has had his fingers in it.
Drake 2-C: Clean, works but top of chassis look very rough.
Drake R-4A and MS-4: Speaker grill rusty. R-4A has problem with
product detector. May be phenolic board rot.

All of these have been rescued from a trip to the land fill.
These are for someone that want's a cheap project to work on.

If you're interested, email me and I can provide more (better)
pictures and more details on condition.

If you're serious make an offer.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42501. Re: [DrakeRadio] Vacuum Tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 17:08:23 UTC
From: Tony Sokol
Topic: 42490 Message: 42501

Bill,
I would check with some of the guys that sell tubes on ebay.

73
Tony - W9JXN

Sent from my iPad

> On Jan 6, 2018, at 7:33 AM, 'Bill Gaines' ad8p@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> Recently my daughter-in-law’s step dad passed away. Her family is currently going thru his “stuff” so the residence can be sold. He was a former TV repairman and consequently have a cache of tubes to dispose of. I haven't seen it yet nor do I have any idea what types or how many are in it but I am wondering if there is anyone in the group that, once we know the contents, would be interested in it. Right now I am just looking for the names or contacts of people who deal in such items in bulk.
>
> Thanks
> Bill AD8P
>
>
>

42502. 2B and 2C

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 17:13:58 UTC
From: john
Topic: 42502 Message: 42502

Can you plz send pix?

73
John
--
III

42503. Re: [DrakeRadio] For Sale: fixer uppers

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 17:14:13 UTC
From: Dukes HiFi
Topic: 42500 Message: 42503

I am not concerned about condition of front panels but could you please send photos of the chassis of the 2A receivers and the 2C?

Gary

651 485 4012

> On Jan 6, 2018, at 11:03 AM, Jeffrey Angus jdangus@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Drake 2A: Rusty and scratched panel. Works surprisingly well.
> Drake 2A: Clean but Joe "Claw Hammer" Ham has had his fingers in it.
> Drake 2-C: Clean, works but top of chassis look very rough.
> Drake R-4A and MS-4: Speaker grill rusty. R-4A has problem with
> product detector. May be phenolic board rot.
>
> All of these have been rescued from a trip to the land fill.
> These are for someone that want's a cheap project to work on.
>
> If you're interested, email me and I can provide more (better)
> pictures and more details on condition.
>
> If you're serious make an offer.
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com <http://www.foxsmercantile.com/>
>
>
> <Drake Ratty 2A.jpg><Drake needs work 2A.jpg><Drake ratty 2-C.jpg><Drake R-4A MS-4.jpg>

42504. Re: [DrakeRadio] For Sale: fixer uppers

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 17:20:09 UTC
From: Jeffrey Angus
Topic: 42500 Message: 42504

On 1/6/18 11:03 AM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
>
> Drake 2A: Rusty and scratched panel. Works surprisingly well.
> Drake 2A: Clean but Joe "Claw Hammer" Ham has had his fingers in it.
> Drake 2-C: Clean, works but top of chassis look very rough.
> Drake R-4A and MS-4: Speaker grill rusty. R-4A has problem with
> product detector. May be phenolic board rot.,___
>
To everyone that replied, I'll get pix together later today.

Thank you.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42505. FW: Drake T4XC issue

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 18:03:26 UTC
From: sds3239
Topic: 42505 Message: 42505

From: sds3239 [mailto:sds3239@...]
Sent: Saturday, January 06, 2018 12:19 PM
To: drakeradio@yahoogroups.com
Subject: Drake T4XC issue

I'm having trouble with CW operation of the T4XC. Rig works fine on SSB and in tune. With the rig completely disconnected from my R4C, and transceive switch in XMTR position I measure carrier osc output at 5644990 hz in both SSB and TUNE positions of the mode switch. When switching to the CW position the carrier osc shifts up 690 hz to 5645680 hz. The manual states that the carrier osc is shifted slightly in cw mode to put it more centered in the lower filter passband. They don't define 'slightly' in direction or magnitude but my guess is it should shift downward to put it in the passband of the LSB filter. For the life of me I can't seem to see what shifts the frequency.

Any help would be appreciated.

Dave Sowers

K4SUE

42506. T-X4B Transmit Drops Out

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 18:13:29 UTC
From: ve3fmc@...
Topic: 42506 Message: 42506

Hello

I recently picked up a T-X4B and T-4C and matching PS.

The transmitter loads up as it should. However when I transmit on SSB the output drops out, the plate reading drops down. If I unkey the transmitter and key back up then everything is fine. Sometimes I can be keyed down for two minutes, talking and the tx never drops out.

I cleaned all the contacts etc.

It appears to me that the problem may be in the RF Tune section of the radio. It is really touchy when tuning up.

I'll pull the covers off again and check the solder joints under the RF tune cans and see if there are any sketchy looking joints.

However if someone can steer me in the right direction here I would really appreciate it.

Thanks, Rick VE3FMC

42507. Original Manuals

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 20:47:02 UTC
From: Steve Wedge
Topic: 42507 Message: 42507

Cleaning out my shack.

I have the following:

T-4XB Manual, cover written on, "April 16, 1971" "Serial 13773" Schematic drawing No. 4226815215.Nice shape but not pristine.
T-4XB Manual - Somewhat nicer shape, schematic dwg No. 4226815215. Has crystal ordering form stapled inside front cover, dated 1-68.
R-4B - schematic missing. Book in good shape - two staples through front cover.
T-4X and T-4 Manual. Cover a little frazzled, binding repaired with tape. Schematic for T-4X somewhat delicate. T-4 schematic missing.

$25 shipped to USA. Any of you across the pond who are interested, let me know and I'll figure out the shipping.

73,

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42508. Re: [DrakeRadio] T-X4B Transmit Drops Out

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 20:48:15 UTC
From: Steve Wedge
Topic: 42506 Message: 42508

Rick -

Is this on all bands? Does CW keep steady?

On Sat, Jan 6, 2018 at 1:13 PM, ve3fmc@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Hello
>
> I recently picked up a T-X4B and T-4C and matching PS.
>
> The transmitter loads up as it should. However when I transmit on SSB the
> output drops out, the plate reading drops down. If I unkey the transmitter
> and key back up then everything is fine. Sometimes I can be keyed down for
> two minutes, talking and the tx never drops out.
>
> I cleaned all the contacts etc.
>
> It appears to me that the problem may be in the RF Tune section of the
> radio. It is really touchy when tuning up.
>
> I'll pull the covers off again and check the solder joints under the RF
> tune cans and see if there are any sketchy looking joints.
>
> However if someone can steer me in the right direction here I would really
> appreciate it.
>
> Thanks, Rick VE3FMC
>
>

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42509. Re: [DrakeRadio] T-X4B Transmit Drops Out

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 21:25:46 UTC
From: Rick VE3FMC
Topic: 42506 Message: 42509

Hi Steve

Well I have only tried it on 40-80. It will drop out while tuning it up
using the TUNE position on the switch.
I just plugged in a cw key and yes it did the same on cw.

When on SSB if I unkey after the power drops out and wait a second of
two then key up again the power output is back to normal. Then it will
just drop back out at any time during key down and while talking into
the mic.

I also keyed the transmitter on AM and noticed it dropped out on that
mode as well.

That's about all I can tell you, and the best I can describe it Steve.
Thanks
73, Rick VE3FMC
On 06/01/2018 3:48 PM, Steve Wedge wrote:
> Rick -
>
> Is this on all bands? Does CW keep steady?
>
> On Sat, Jan 6, 2018 at 1:13 PM, ve3fmc@...
> <mailto:ve3fmc@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
> Hello
>
> I recently picked up a T-X4B and T-4C and matching PS.
>
> The transmitter loads up as it should. However when I transmit on
> SSB the output drops out, the plate reading drops down. If I unkey
> the transmitter and key back up then everything is fine. Sometimes
> I can be keyed down for two minutes, talking and the tx never
> drops out.
>
> I cleaned all the contacts etc.
>
> It appears to me that the problem may be in the RF Tune section of
> the radio. It is really touchy when tuning up.
>
> I'll pull the covers off again and check the solder joints under
> the RF tune cans and see if there are any sketchy looking joints.
>
> However if someone can steer me in the right direction here I
> would really appreciate it.

>
> Thanks, Rick VE3FMC
>
>
>
>
>
>
> --
> Steve Wedge, W1ES/4
>
> Time flies like an arrow; fruit flies like a banana.

--
*RICK PETERSON VE3FMC
ST THOMAS ON CA
HOME OF THE ONTARIO TUBE GEAR NET
http://www.qsl.net/ve3fmc/
*

This email has been checked for viruses by AVG.
http://www.avg.com

42510. Re: Anyone have a use for a 6146 tube?

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 21:45:44 UTC
From: Ted
Topic: 42510 Message: 42510

I found one while cleaning the shack- looks to be in good shape and nothing loose- happy to trade it for a Drake T-4XC manual (around s/n 21,000-24,000) or $12 plus shipping.
>
> 73 ted N9NB
>
> Sent from smartphone, please excuse typos

42511. Re: [DrakeRadio] T-X4B Transmit Drops Out

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 21:54:58 UTC
From: Richard Knoppow
Topic: 42506 Message: 42511

Some clarification needed, which transmitter do you have, a T-4XB or T4XC? The principles are the same but the B has a tube carrier oscillator and the C is solid state. In either the carrier oscillator is shifted about 800Hz by switching in a small capacitor across the crystal. Also in both the balanced modulator is unbalanced by applying a small DC voltage from the RF gain control.
Tracing the circuits around either is easier if you have a large scale schematic printed out and use colored pencils or hi-liters.
I don't know why its dropping out but would suspect something in the VOX.

On 1/6/2018 10:13 AM, ve3fmc@... [DrakeRadio] wrote:
>
>
> Hello
>
> I recently picked up a T-X4B and T-4C and matching PS.
>
> The transmitter loads up as it should. However when I transmit on SSB
> the output drops out, the plate reading drops down. If I unkey the
> transmitter and key back up then everything is fine. Sometimes I can be
> keyed down for two minutes, talking and the tx never drops out.
>
> I cleaned all the contacts etc.
>
> It appears to me that the problem may be in the RF Tune section of the
> radio. It is really touchy when tuning up.
>
> I'll pull the covers off again and check the solder joints under the RF
> tune cans and see if there are any sketchy looking joints.
>
> However if someone can steer me in the right direction here I would
> really appreciate it.
>
> Thanks, Rick VE3FMC
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42512. Re: [DrakeRadio] T-X4B Transmit Drops Out

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 21:59:36 UTC
From: Ted
Topic: 42506 Message: 42512

Sounds like a Vox issue to me, too.

gave you exhausted trying the various vox, antivox, and delay settings? From memory there may be a tube in the vox circuit worth checking.

73 ted N9NB

Sent from smartphone, please excuse typos

> On Jan 6, 2018, at 4:54 PM, Richard Knoppow 1oldlens1@....com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Some clarification needed, which transmitter do you have, a T-4XB or
> T4XC? The principles are the same but the B has a tube carrier
> oscillator and the C is solid state. In either the carrier oscillator is
> shifted about 800Hz by switching in a small capacitor across the
> crystal. Also in both the balanced modulator is unbalanced by applying a
> small DC voltage from the RF gain control.
> Tracing the circuits around either is easier if you have a large
> scale schematic printed out and use colored pencils or hi-liters.
> I don't know why its dropping out but would suspect something in
> the VOX.
>
>> On 1/6/2018 10:13 AM, ve3fmc@... [DrakeRadio] wrote:
>>
>>
>> Hello
>>
>> I recently picked up a T-X4B and T-4C and matching PS.
>>
>> The transmitter loads up as it should. However when I transmit on SSB
>> the output drops out, the plate reading drops down. If I unkey the
>> transmitter and key back up then everything is fine. Sometimes I can be
>> keyed down for two minutes, talking and the tx never drops out.
>>
>> I cleaned all the contacts etc.
>>
>> It appears to me that the problem may be in the RF Tune section of the
>> radio. It is really touchy when tuning up.
>>
>> I'll pull the covers off again and check the solder joints under the RF
>> tune cans and see if there are any sketchy looking joints.
>>
>> However if someone can steer me in the right direction here I would
>> really appreciate it.
>>

>> Thanks, Rick VE3FMC
>>
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>
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> Yahoo Groups Links
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42513. Re: [DrakeRadio] T-X4B Transmit Drops Out

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 22:22:13 UTC
From: Steve Wedge
Topic: 42506 Message: 42513

Check for gassy tubes. The best and fastest way is by substitution. For the 6HS6, you can either swap V2 and V8 or sub in a 6AH6 or 6AU6 for test purposes.

If you use the receiver, does it do the same thing?

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Jan 6, 2018, at 16:25, Rick VE3FMC ve3fmc@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Hi Steve
>
> Well I have only tried it on 40-80. It will drop out while tuning it up using the TUNE position on the switch.
> I just plugged in a cw key and yes it did the same on cw.
>
> When on SSB if I unkey after the power drops out and wait a second of two then key up again the power output is back to normal. Then it will just drop back out at any time during key down and while talking into the mic.
>
> I also keyed the transmitter on AM and noticed it dropped out on that mode as well.
>
> That's about all I can tell you, and the best I can describe it Steve.
> Thanks
> 73, Rick VE3FMC
>
>> On 06/01/2018 3:48 PM, Steve Wedge wrote:
>> Rick -
>>
>> Is this on all bands? Does CW keep steady?
>>
>>> On Sat, Jan 6, 2018 at 1:13 PM, ve3fmc@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>>
>>> Hello
>>>
>>> I recently picked up a T-X4B and T-4C and matching PS.
>>>
>>> The transmitter loads up as it should. However when I transmit on SSB the output drops out, the plate reading drops down. If I unkey the transmitter and key back up then everything is fine. Sometimes I can be keyed down for two minutes, talking and the tx never drops out.
>>>
>>> I cleaned all the contacts etc.

>>>
>>> It appears to me that the problem may be in the RF Tune section of the radio. It is really touchy when tuning up.
>>>
>>> I'll pull the covers off again and check the solder joints under the RF tune cans and see if there are any sketchy looking joints.
>>>
>>> However if someone can steer me in the right direction here I would really appreciate it.
>>>
>>> Thanks, Rick VE3FMC
>>>
>>
>>
>>
>> --
>> Steve Wedge, W1ES/4
>>
>> Time flies like an arrow; fruit flies like a banana.
>
> --
> RICK PETERSON VE3FMC
> ST THOMAS ON CA
> HOME OF THE ONTARIO TUBE GEAR NET
> http://www.qsl.net/ve3fmc/
>
> Virus-free. www.avg.com
>

42514. Drakes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 22:27:26 UTC
From: Lacera DeWilde
Topic: 42514 Message: 42514

I would love to have the equipment. I've repaired 2 of the 2B's other people and want one for myself. What's some prices you're wanting for the pieces or maybe the hole lot?

Lacera (Lacey) DeWilde
K4LCY 73

42515. Re: [DrakeRadio] T-X4B Transmit Drops Out

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 23:00:54 UTC
From: Richard Knoppow
Topic: 42506 Message: 42515

The 6EV7 may be the culprit in either the B or C. They have a bad reputation for getting gassy. This is the tube that energizes the T-R relay. Most reliable way to test it is to substitute another but if you don't have one I would first try cleaning the socket and tube pins. Also check the connections to the socket. Since the problem is intermittent it could also be something like a bad solder joint or one that was never soldered (found a couple on Drake rigs) or a cracked resistor.

On 1/6/2018 2:22 PM, Steve Wedge steve27302@... [DrakeRadio] wrote:
>
>
> Check for gassy tubes. The best and fastest way is by substitution. For
> the 6HS6, you can either swap V2 and V8 or sub in a 6AH6 or 6AU6 for
> test purposes.
>
> If you use the receiver, does it do the same thing?
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly
> sophisticated software.
>
> On Jan 6, 2018, at 16:25, Rick VE3FMC ve3fmc@...
> <mailto:ve3fmc@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> Hi Steve
>>
>> Well I have only tried it on 40-80. It will drop out while tuning it
>> up using the TUNE position on the switch.
>> I just plugged in a cw key and yes it did the same on cw.
>>
>> When on SSB if I unkey after the power drops out and wait a second of
>> two then key up again the power output is back to normal. Then it will
>> just drop back out at any time during key down and while talking into
>> the mic.
>>
>> I also keyed the transmitter on AM and noticed it dropped out on that
>> mode as well.
>>
>> That's about all I can tell you, and the best I can describe it Steve.
>> Thanks
>> 73, Rick VE3FMC
>>
>> On 06/01/2018 3:48 PM, Steve Wedge wrote:

>>> Rick -
>>>
>>> Is this on all bands?? Does CW keep steady?
>>>
>>> On Sat, Jan 6, 2018 at 1:13 PM, ve3fmc@...
>>> <mailto:ve3fmc@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
>>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>>
>>> Hello
>>>
>>> I recently picked up a T-X4B and T-4C and matching PS.
>>>
>>> The transmitter loads up as it should. However when I transmit on
>>> SSB the output drops out, the plate reading drops down. If I
>>> unkey the transmitter and key back up then everything is fine.
>>> Sometimes I can be keyed down for two minutes, talking and the tx
>>> never drops out.
>>>
>>> I cleaned all the contacts etc.
>>>
>>> It appears to me that the problem may be in the RF Tune section
>>> of the radio. It is really touchy when tuning up.
>>>
>>> I'll pull the covers off again and check the solder joints under
>>> the RF tune cans and see if there are any sketchy looking joints.
>>>
>>> However if someone can steer me in the right direction here I
>>> would really appreciate it.
>>>
>>> Thanks, Rick VE3FMC
>>>
>>>
>>>
>>>
>>> --
>>> Steve Wedge, W1ES/4
>>>
>>> Time flies like an arrow; fruit flies like a banana.

--
Richard Knoppow
1oldlens1@...
WB6KBL

42516. Re: [DrakeRadio] FW: Drake T4XC issue

Yahoo group: DrakeRadio (2018)
Date: 2018-01-06 23:10:26 UTC
From: Dukes HiFi
Topic: 42505 Message: 42516

There is a relay that shifts the BFO frequency.

Gary

> On Jan 6, 2018, at 12:03 PM, 'sds3239' sds3239@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
>
>
>
>
>
> From: sds3239 [mailto:sds3239@comcast.net <mailto:sds3239@...>]
> Sent: Saturday, January 06, 2018 12:19 PM
> To: drakeradio@yahoogroups.com <mailto:drakeradio@yahoogroups.com>
> Subject: Drake T4XC issue
>
>
>
> I'm having trouble with CW operation of the T4XC. Rig works fine on SSB and in tune. With the rig completely disconnected from my R4C, and transceive switch in XMTR position I measure carrier osc output at 5644990 hz in both SSB and TUNE positions of the mode switch. When switching to the CW position the carrier osc shifts up 690 hz to 5645680 hz. The manual states that the carrier osc is shifted slightly in cw mode to put it more centered in the lower filter passband. They don't define 'slightly' in direction or magnitude but my guess is it should shift downward to put it in the passband of the LSB filter. For the life of me I can't seem to see what shifts the frequency.
>
> Any help would be appreciated.
>
>
>
> Dave Sowers
>
> K4SUE
>
>
>

42517. RE: [DrakeRadio] FW: Drake T4XC issue

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 00:06:40 UTC
From: sds3239
Topic: 42505 Message: 42517

Thanks for the reply Gary. I can see the set of relay k1 form c contacts that unground the rcvr mute line and ground, through the mode switch, the cold end of diode CR4 in the source circuit of Q3, but I thought that just turned on the carrier osc in cw mode. Does that also shift the carrier osc?

Thanks,

Dave

From: Dukes HiFi [mailto:dukeshifi@...]
Sent: Saturday, January 06, 2018 6:10 PM
To: wes Bolin k5apl41@... [DrakeRadio]; sds3239
Subject: Re: [DrakeRadio] FW: Drake T4XC issue

There is a relay that shifts the BFO frequency.

Gary

On Jan 6, 2018, at 12:03 PM, 'sds3239' sds3239@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:

From: sds3239 [<mailto:sds3239@...> mailto:sds3239@...]
Sent: Saturday, January 06, 2018 12:19 PM
To: <mailto:drakeradio@yahoogroups.com> drakeradio@yahoogroups.com
Subject: Drake T4XC issue

I'm having trouble with CW operation of the T4XC. Rig works fine on SSB and in tune. With the rig completely disconnected from my R4C, and transceive switch in XMTR position I measure carrier osc output at 5644990 hz in both SSB and TUNE positions of the mode switch. When switching to the CW position the carrier osc shifts up 690 hz to 5645680 hz. The manual states that the carrier osc is shifted slightly in cw mode to put it more centered in the lower filter passband. They don't define 'slightly' in direction or magnitude but my guess is it should shift downward to put it in the passband of the LSB filter. For the life of me I can't seem to see what shifts the frequency.

Any help would be appreciated.

Dave Sowers

K4SUE

42518. Re: [DrakeRadio] FW: Drake T4XC issue

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 00:07:42 UTC
From: Dukes HiFi
Topic: 42505 Message: 42518

It actually shifts the carrier.

Gary

> On Jan 6, 2018, at 6:06 PM, sds3239 <sds3239@...> wrote:
>
> Thanks for the reply Gary. I can see the set of relay k1 form c contacts that unground the rcvr mute line and ground, through the mode switch, the cold end of diode CR4 in the source circuit of Q3, but I thought that just turned on the carrier osc in cw mode. Does that also shift the carrier osc?
>
> Thanks,
> Dave
>
> From: Dukes HiFi [mailto:dukeshifi@... <mailto:dukeshifi@...>]
> Sent: Saturday, January 06, 2018 6:10 PM
> To: wes Bolin k5apl41@... <mailto:k5apl41@...> [DrakeRadio]; sds3239
> Subject: Re: [DrakeRadio] FW: Drake T4XC issue
>
> There is a relay that shifts the BFO frequency.
>
> Gary
>
>
>
>
> On Jan 6, 2018, at 12:03 PM, 'sds3239' sds3239@comcast.net <mailto:sds3239@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>
>
>
>
>
> From: sds3239 [mailto:sds3239@... <mailto:sds3239@...>]
> Sent: Saturday, January 06, 2018 12:19 PM
> To: drakeradio@yahoogroups.com <mailto:drakeradio@yahoogroups.com>
> Subject: Drake T4XC issue
>
>
>
> I'm having trouble with CW operation of the T4XC. Rig works fine on SSB and in tune. With the rig completely disconnected from my R4C, and transceive switch in XMTR position I measure carrier osc output at 5644990 hz in both SSB and TUNE positions of the mode switch. When switching to the CW position the carrier osc shifts up 690 hz to 5645680 hz. The

manual states that the carrier osc is shifted slightly in cw mode to put it more centered in the lower filter passband. They don't define 'slightly' in direction or magnitude but my guess is it should shift downward to put it in the passband of the LSB filter. For the life of me I can't seem to see what shifts the frequency.
>
> Any help would be appreciated.
>
>
>
> Dave Sowers
>
> K4SUE
>
>
>
>

42519. Re: [DrakeRadio] For Sale: fixer uppers The 2-C

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 02:02:22 UTC
From: Jeffrey Angus
Topic: 42519 Message: 42519
Attachments: 3 described; binary payloads are missing from this source WARC

More pix of the 2-C

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42520. Re: [DrakeRadio] For Sale: fixer uppers The 2-C

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 02:04:59 UTC
From: Steve Wedge
Topic: 42519 Message: 42520

Looks “farm-fresh”!

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Jan 6, 2018, at 21:02, Jeffrey Angus jdangus@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> More pix of the 2-C
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>
> <Drake 2-C bottom.jpg>
> <Drake 2-C panel.jpg>
> <Drake 2-C top.jpg>

42521. Re: [DrakeRadio] For Sale: fixer uppers Ratty 2A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 02:08:46 UTC
From: Jeffrey Angus
Topic: 42521 Message: 42521
Attachments: 3 described; binary payloads are missing from this source WARC

This is a 2A not a 2B
More pix of the ratty 2A

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42522. Re: [DrakeRadio] For Sale: fixer uppers The other 2A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 02:12:38 UTC
From: Jeffrey Angus
Topic: 42522 Message: 42522
Attachments: 3 described; binary payloads are missing from this source WARC

This is a 2A not a 2B
More pix of the other 2A

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42523. Re: [DrakeRadio] For Sale: fixer uppers The 2-C

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 02:17:39 UTC
From: Jeffrey Angus
Topic: 42519 Message: 42523

On 1/6/18 8:04 PM, Steve Wedge wrote:
> Looks “farm-fresh”!
That's why it's called "Barn dust." ;-)

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42524. Re: [DrakeRadio] For Sale: fixer uppers The 2-C

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 02:27:11 UTC
From: Stan Gammons
Topic: 42519 Message: 42524

Ah, it just needs some TLC :)

73

Stan
KM4HQE

On 01/06/2018 08:17 PM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
>
> On 1/6/18 8:04 PM, Steve Wedge wrote:
> > Looks “farm-fresh”!
> That's why it's called "Barn dust." ;-)
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>

42525. Re: [DrakeRadio] For Sale: fixer uppers The 2-C

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 02:35:13 UTC
From: RAY FRIESS
Topic: 42519 Message: 42525

Jeff ... What would you take for it?

Sent from my Verizon LG Smartphone

------ Original message------
From: Jeffrey Angus jdangus@... [DrakeRadio]
Date: Sat, Jan 6, 2018 7:03 PM
To: Kc9cdt@... [DrakeRadio];
Cc: Dukes HiFi;
Subject:Re: [DrakeRadio] For Sale: fixer uppers The 2-C

More pix of the 2-C

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42526. Re: [DrakeRadio] 2B and 2C

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 02:35:58 UTC
From: Jeffrey Angus
Topic: 42502 Message: 42526

On 1/6/18 11:13 AM, john johnmb@... [DrakeRadio] wrote:
>
> Can you plz send pix?
>
> 73
> John
>
I posted pix on the drake list.
They are 2A receivers, NOT the 2B

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42527. RE: [DrakeRadio] FW: Drake T4XC issue

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 04:23:19 UTC
From: sds3239
Topic: 42505 Message: 42527

Thanks Gary,

I'm trying to figure out how it shifts the carrier so I can trouble shoot it. What I see from the schematic is that the diode seems to be grounded in SSB and TUNE positions by S1B rear and in CW by S1B rear and the t/x relay. What am I missing?

Thanks again,

Dave

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Saturday, January 06, 2018 7:08 PM
To: sds3239
Cc: wes Bolin k5apl41@... [DrakeRadio]
Subject: Re: [DrakeRadio] FW: Drake T4XC issue

It actually shifts the carrier.

Gary

On Jan 6, 2018, at 6:06 PM, sds3239 <sds3239@...> wrote:

Thanks for the reply Gary. I can see the set of relay k1 form c contacts that unground the rcvr mute line and ground, through the mode switch, the cold end of diode CR4 in the source circuit of Q3, but I thought that just turned on the carrier osc in cw mode. Does that also shift the carrier osc?

Thanks,

Dave

From: Dukes HiFi [<mailto:dukeshifi@...> mailto:dukeshifi@...]
Sent: Saturday, January 06, 2018 6:10 PM
To: wes Bolin <mailto:k5apl41@...> k5apl41@... [DrakeRadio]; sds3239
Subject: Re: [DrakeRadio] FW: Drake T4XC issue

There is a relay that shifts the BFO frequency.

Gary

On Jan 6, 2018, at 12:03 PM, 'sds3239' <mailto:sds3239@...> sds3239@... [DrakeRadio] < <mailto:DrakeRadio@yahoogroups.com> DrakeRadio@yahoogroups.com> wrote:

From: sds3239 [<mailto:sds3239@comcast.net> mailto:sds3239@...]
Sent: Saturday, January 06, 2018 12:19 PM
To: <mailto:drakeradio@yahoogroups.com> drakeradio@yahoogroups.com
Subject: Drake T4XC issue

I'm having trouble with CW operation of the T4XC. Rig works fine on SSB and in tune. With the rig completely disconnected from my R4C, and transceive switch in XMTR position I measure carrier osc output at 5644990 hz in both SSB and TUNE positions of the mode switch. When switching to the CW position the carrier osc shifts up 690 hz to 5645680 hz. The manual states that the carrier osc is shifted slightly in cw mode to put it more centered in the lower filter passband. They don't define 'slightly' in direction or magnitude but my guess is it should shift downward to put it in the passband of the LSB filter. For the life of me I can't seem to see what shifts the frequency.

Any help would be appreciated.

Dave Sowers

K4SUE

42528. Re: [DrakeRadio] FW: Drake T4XC issue

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 05:02:37 UTC
From: Richard Knoppow
Topic: 42505 Message: 42528

I wasn't clear enough. If you look at the crystal you will see near it a small capacitor. I think in the 4B its 10uF and in the C 20uF. The crystal goes to the "mode switch" which shorts the other end of the cap to ground thus shifting the resonance of the crystal by a little. The connection is not obvious in either schematic because of the way its drawn however, you can trace it out. At the same time a small voltage is imposed on the balanced modulator to partly unbalance it allowing control of the carrier level. In both B and C the shift is toward the lower sideband so the sideband selector must be in lower or X to get anything out.
Note that in Tune the carrier frequency remains centered and the balanced modulator remains balanced but an audio tone is impressed on the modulator. The effect is rather similar in that a single frequency "carrier" is sent on to the higher level circuits but the effective carrier frequency is different. Also note that the change in the output carrier frequency in CW is corrected by slipping the VFO dial so that you read zero beat on the cw tone.
I have lost track of what the problem with this rig is. However, if the carrier oscillator is not being shifted in CW there will be no output. Same with the balanced modulator not being unbalanced and also the same if you are on the wrong sideband filter.
BTW, putting the sideband filter on the wrong side is a good way to check bias since you can key the transmitter with no RF drive.

On 1/6/2018 8:23 PM, 'sds3239' sds3239@... [DrakeRadio] wrote:
>
>
> Thanks Gary,
>
> I'm trying to figure out how it shifts the carrier so I can trouble
> shoot it.? What I see from the schematic is that the diode seems to be
> ?grounded in SSB and TUNE positions by S1B rear and in CW by S1B? rear
> and the t/x relay.?? What am I missing?
>
> Thanks again,
>
> Dave
>
> *From:*DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> *Sent:* Saturday, January 06, 2018 7:08 PM
> *To:* sds3239
> *Cc:* wes Bolin k5apl41@... [DrakeRadio]
> *Subject:* Re: [DrakeRadio] FW: Drake T4XC issue
>
> It actually shifts the carrier..

>
> Gary
>
>
>
> On Jan 6, 2018, at 6:06 PM, sds3239 <sds3239@...
> <mailto:sds3239@...>> wrote:
>
> Thanks for the reply Gary.? I can see the set of relay k1 form c
> contacts that unground the rcvr mute line and ground, through the mode
> switch, the cold end of diode CR4 in the source circuit of Q3, but I
> thought that just turned on the carrier osc in cw mode.? Does that also
> shift the carrier osc?
>
> Thanks,
>
> Dave
>
> *From:*Dukes HiFi [mailto:dukeshifi@...]
> *Sent:*Saturday, January 06, 2018 6:10 PM
> *To:*wes Bolink5apl41@... <mailto:k5apl41@...>[DrakeRadio];
> sds3239
> *Subject:*Re: [DrakeRadio] FW: Drake T4XC issue
>
> There is a relay that shifts the BFO frequency.
>
> Gary
>
>
>
>
> On Jan 6, 2018, at 12:03 PM, 'sds3239'sds3239@...
> <mailto:sds3239@...>[DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
> *From:*sds3239 [mailto:sds3239@...]
> *Sent:*Saturday, January 06, 2018 12:19 PM
> *To:*drakeradio@yahoogroups.com <mailto:drakeradio@yahoogroups.com>
> *Subject:*Drake T4XC issue
>
> I'm having trouble with CW operation of the T4XC.? Rig works fine on SSB
> and in tune. ?With the rig completely disconnected from my R4C, and
> transceive switch in XMTR position I measure carrier osc output at
> 5644990 hz in both SSB and TUNE positions of the mode switch.? When
> switching to the CW position the carrier osc shifts up 690 hz to 5645680
> hz.?? The manual states that the carrier osc is shifted slightly in cw
> mode to put it more centered in the lower filter passband.? They don't
> define 'slightly' in direction or magnitude but my guess is it should
> shift downward to put it in the passband of the LSB filter.?? For the
> life of me I can't seem to see what shifts the frequency.

>
> Any help would be appreciated.
>
> Dave Sowers
>
> K4SUE
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42529. R-4B alignment question: TP-3 location

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 05:41:30 UTC
From: Andrew Olson
Topic: 42529 Message: 42529

Step 2 of the R-4B alignment (the 50 KHz oscillator) calls for connecting an alignment load from Pin 5 of V5 to TP-3 on the 25 KHz printed circuit board. I track that down on page 24. The labeled location for TP-3 is fairly inaccessible.

Any problem with connecting to the other end of the jumper wire (point A) instead? Looks like that would correspond to a solder pad on the front of the board that's between Q9 and IC2, which is much easier to reach.

Thanks,
Andrew Olson
N6DRU

42530. Re: T-X4B Transmit Drops Out

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 13:08:56 UTC
From: ve3fmc@...
Topic: 42506 Message: 42530

I have found a source for NOS tubes and will see if he has what I need. If he does I will order NOS tubes to replace all the tubes in the T-X4B (Other than the finals and driver) Once I get those in I can go from there.

Thanks for all the help.
Rick VE3FMC

42531. RATTY

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 14:13:31 UTC
From: john
Topic: 42531 Message: 42531

Hi Jeff
How much are you asking for the Ratty 2A?

42532. Re: T-X4B Transmit Drops Out

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 15:16:47 UTC
From: kb2dhg@...
Topic: 42506 Message: 42532

What is the sourse you found for these tubes?

42533. no bias

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 15:16:06 UTC
From: kb2dhg@...
Topic: 42533 Message: 42533

I have a T-4XB that stopped transmitting, Thought it was the AC-4 power supply so I got a Solid state conversion AC-4 and the same thing no bias and no power in TX? Any Ideas?

42534. Re: [DrakeRadio] For Sale: fixer uppers

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 15:19:57 UTC
From: Jeffrey Angus
Topic: 42500 Message: 42534

On 1/6/18 11:03 AM, Jeffrey Angus wrote:
>
> Drake 2A: Rusty and scratched panel. Works surprisingly well.
> Drake 2A: Clean but Joe "Claw Hammer" Ham has had his fingers
> in it. Has AVC issues.
> Drake 2-C: Clean, works but top of chassis look very rough.
> MS-4: Speaker grill rusty.
>
The Drake R-4A has been sold.
>
> All of these have been rescued from a trip to the land fill.
> These are for someone that want's a cheap project to work on.
>
> If you're interested, email me and I can provide more (better)
> pictures and more details on condition.
>
> If you're serious make an offer.
>
Note the part about "make offer." I will not set a price for these.
They're worth what you want to pay for them. If I agree, they're
yours.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42535. Re: [DrakeRadio] For Sale: fixer uppers

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 15:25:56 UTC
From: Dukes HiFi
Topic: 42500 Message: 42535

I will pay $150 for the two 2A, the 2C and the speaker in their degraded condition.

If you give me the packed weight and dimensions, I will email prepaid shipping label.

Gary

651 485 4012

Gary

> On Jan 7, 2018, at 9:19 AM, Jeffrey Angus jdangus@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
>
> On 1/6/18 11:03 AM, Jeffrey Angus wrote:
>>
>> Drake 2A: Rusty and scratched panel. Works surprisingly well.
>> Drake 2A: Clean but Joe "Claw Hammer" Ham has had his fingers
>> in it. Has AVC issues.
>> Drake 2-C: Clean, works but top of chassis look very rough.
>> MS-4: Speaker grill rusty.
>>
> The Drake R-4A has been sold.
>>
>> All of these have been rescued from a trip to the land fill.
>> These are for someone that want's a cheap project to work on.
>>
>> If you're interested, email me and I can provide more (better)
>> pictures and more details on condition.
>>
>> If you're serious make an offer.
>>
> Note the part about "make offer." I will not set a price for these.
> They're worth what you want to pay for them. If I agree, they're
> yours.
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com <http://www.foxsmercantile.com/>
>
>

42536. Re: [DrakeRadio] no bias

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 15:30:26 UTC
From: Dukes HiFi
Topic: 42533 Message: 42536

No bias and no TX power suggests that one or more of the voltages is missing at the transmitter end.

Generally, f there is no bias voltage, you will get LOTS of plate current.

I assume that, in saying you are getting “no bias”, you mean that you see no idle current.

I would check out the 12 pin Cinch connector where power enters the radio. These often get so corroded that no amount of routing wiggling will make them work.

LOTS of contact cleaner with MANY insertions can sometimes fix them.

If not, I have replacements for both.

Another possibility would be the screen resistors. If there is no screen voltage to the finals, you will get no plate current and no RF output (at least very close to zero).

Gary

> On Jan 7, 2018, at 9:16 AM, kb2dhg@... [DrakeRadio] <DrakeRadio@...m> wrote:
>
>
> I have a T-4XB that stopped transmitting, Thought it was the AC-4 power supply so I got a Solid state conversion AC-4 and the same thing no bias and no power in TX? Any Ideas?
>
>
>

42537. Re: [DrakeRadio] no bias

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 17:14:47 UTC
From: kb2dhg@...
Topic: 42533 Message: 42537

Thanks will check this out!

42538. Re: T-X4B Transmit Drops Out

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 18:08:53 UTC
From: ve3fmc@...
Topic: 42506 Message: 42538

The source is a guy in Ontario Canada. Peter, 519-482-5742

42539. Re: T-X4B Transmit Drops Out

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 18:10:01 UTC
From: ve3fmc@...
Topic: 42506 Message: 42539

One quick question. What do you guys use for the cables between the transmitter and receiver for the muting etc?
Thanks

42540. Re: [DrakeRadio] For Sale: fixer uppers

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 19:07:48 UTC
From: Jeffrey Angus
Topic: 42500 Message: 42540

On 1/6/18 11:03 AM, Jeffrey Angus wrote:
> Drake 2A: Rusty and scratched panel. Works surprisingly well.
> Drake 2A: Clean but Joe "Claw Hammer" Ham has had his fingers
> in it.
> Drake 2-C: Clean, works but top of chassis look very rough.
> Drake R-4A and MS-4: Speaker grill rusty. R-4A has problem with
> product detector. May be phenolic board rot.
They have all been sold.
Thank you to everyone that asked about these.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42541. Re: [DrakeRadio] Re: T-X4B Transmit Drops Out

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 20:42:25 UTC
From: Ted
Topic: 42506 Message: 42541

Ron, Wb4hfn, sells a complete set including the 2 cables that require low capacitance coax for about $40-$45.

Wb4hfn@...

There may be other sources, too.

73 ted N9NB

Sent from smartphone, please excuse typos

> On Jan 7, 2018, at 1:10 PM, ve3fmc@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> One quick question. What do you guys use for the cables between the transmitter and receiver for the muting etc?
> Thanks
>
>

42542. Re: [DrakeRadio] Re: T-X4B Transmit Drops Out

Yahoo group: DrakeRadio (2018)
Date: 2018-01-07 20:57:18 UTC
From: Louis Giovannetti
Topic: 42506 Message: 42542

OK THANKS

On Sunday, January 7, 2018 1:09 PM, "ve3fmc@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

> The source is a guy in Ontario Canada. Peter, 519-482-5742

42543. TR-4C unstable and declining bias indication

Yahoo group: DrakeRadio (2018)
Date: 2018-01-08 04:53:37 UTC
From: Stephen Thompson
Topic: 42543 Message: 42543

I'm wonder if anyone might have a good idea as to what might have been causing a slow decline in my indicated bias before PA tune. It has actually just begun to fluctuate over this past week just when I wanted to perform the neutralization of my finals on this TR-4C. At one point the bias could be set and so I attempted the neutralization. I've neutralized finals before but this one was more difficult even when initiated on 20 meters and I don't feel its ultimately where it needs to be after finishing on 10m. This unstable bias now rests at half the required 100 ma. with this updated AC-4 supplies bias knob set to full counterclockwise where thats the most bias I can get at .05 ma. Oddly enough though the rig still produces 190 watts when tuned into a dummy load and all knobs land in normal positions when tuneup is finished along with normal meter performance in receive and transmit with lots of good contacts made this week. Strange eh?

Thanks guys for any advice and 73
Steve - K5PK

42544. Re: [DrakeRadio] TR-4C unstable and declining bias indication

Yahoo group: DrakeRadio (2018)
Date: 2018-01-08 05:43:05 UTC
From: Dukes HiFi
Topic: 42543 Message: 42544

Have you tried measuring plate current independently of the radio’s current sense resistor?

The fact that you are getting proper output suggests proper plate current. When you are getting 190 watts out, what is the plate meter reading?

Gary

> On Jan 7, 2018, at 10:53 PM, Stephen Thompson v2positiverate@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I'm wonder if anyone might have a good idea as to what might have been causing a slow decline in my indicated bias before PA tune. It has actually just begun to fluctuate over this past week just when I wanted to perform the neutralization of my finals on this TR-4C. At one point the bias could be set and so I attempted the neutralization. I've neutralized finals before but this one was more difficult even when initiated on 20 meters and I don't feel its ultimately where it needs to be after finishing on 10m. This unstable bias now rests at half the required 100 ma. with this updated AC-4 supplies bias knob set to full counterclockwise where thats the most bias I can get at .05 ma. Oddly enough though the rig still produces 190 watts when tuned into a dummy load and all knobs land in normal positions when tuneup is finished along with normal meter performance in receive and transmit with lots of good contacts made this week. Strange eh?
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> Thanks guys for any advice and 73
> Steve - K5PK
>
>

42545. Re: [DrakeRadio] TR-4C unstable and declining bias indication

Yahoo group: DrakeRadio (2018)
Date: 2018-01-08 06:29:30 UTC
From: Stephen Thompson
Topic: 42543 Message: 42545

Hi Gary,

Thanks for reading my post. Actually, no I haven't tried your method of reading current aside from the rigs meter and am not real sure where or how I might do that and haven't seen such a procedure outlined anywhere in the manual or otherwise. As for my plate current while tuned on 20 meters for example and producing good output @ 180 or 190 watts, I'm typically seeing about 425 mills plus or minus a hair.

Thanks again and 73
Steve

On Sun, 1/7/18, Dukes HiFi <dukeshifi@...> wrote:

Subject: Re: [DrakeRadio] TR-4C unstable and declining bias indication
To: "wes Bolin k5apl41@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>, "Stephen Thompson" <v2positiverate@...>
Date: Sunday, January 7, 2018, 11:43 PM

Have you
tried measuring plate current independently of the radio’s
current sense resistor?

The
fact that you are getting proper output suggests proper
plate current. When you are getting 190 watts out, what is
the plate meter reading?
Gary

On Jan
7, 2018, at 10:53 PM, Stephen Thompson v2positiverate@yahoo.com
[DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:
I'm wonder if anyone might have a good idea as
to what might have been causing a slow decline in my
indicated bias before PA tune. It has actually just begun to
fluctuate over this past week just when I wanted to perform
the neutralization of my finals on this TR-4C. At one point
the bias could be set and so I attempted the neutralization.
I've neutralized finals before but this one was more
difficult even when initiated on 20 meters and I don't
feel its ultimately where it needs to be after finishing on
10m. This unstable bias now rests at half the required 100
ma. with this updated AC-4 supplies bias knob set to full
counterclockwise where thats the most bias I can get at .05
ma. Oddly enough though the rig still produces 190 watts
when tuned into a dummy load and all knobs land in normal

positions when tuneup is finished along with normal meter performance in receive and transmit with lots of good contacts made this week. Strange eh?

Thanks guys for any advice and
73
Steve - K5PK

42546. Re: [DrakeRadio] TR-4C unstable and declining bias indication

Yahoo group: DrakeRadio (2018)
Date: 2018-01-08 08:51:46 UTC
From: Richard Knoppow
Topic: 42543 Message: 42546

Now, when you talk about BIAS are you actually talking about quiescent current? This is the current with no RF drive. The bias voltage from the power supply will set the quiescent current. In the TR-4 it should be set for 100mA. Is this current steady? It should be. If, OTOH, you are getting plate current that varies with a steady RF drive signal (on CW in the TR-4), there is something wrong. See if the quiescent current stays steady with no drive. Measure it for perhaps five or ten minutes. If its steady but the current with drive is not steady it means the RF drive is varying around. You will have to signal trace to see where its varying. IF OTOH, the quiescent current does vary then start with monitoring the bias voltage and if that is steady look at all the other voltages on the tube. Quiescent or resting current is strictly a DC function. Varying output can be either DC or RF.
The plate current meter actually reads the combined cathode current of all three tubes. Cathode current is the combined plate and screen current. You can read it independtly for each tube across the cathode resistor. First, make sure the cathode resistors are the correct value. Even though they are low value resistors they can still vary, usually going up. The RF output amps in a TR4 or T4 run around 60% efficiency, maybe a bit less especially since we are measuring cathode current rather than just plate current. Assume the plate voltage is around 650V when under load and calculate from this the _plate INPUT_ voltage, then multiply by the efficiency (say 55%) and see if it comes close to the _output_ power. Note that at the time the T-4 and TR-4 were built it was common to specify INPUT power rather than output power, as it is now.
I hope this makes sense, my pneumonia has come back so I am off to the doctor tomorrow. Makes me stupid.

On 1/7/2018 10:29 PM, Stephen Thompson v2positiverate@...
[DrakeRadio] wrote:
> Hi Gary,
>
> Thanks for reading my post. Actually, no I haven't tried your method of reading current aside from the rigs meter and am not real sure where or how I might do that and haven't seen such a procedure outlined anywhere in the manual or otherwise. As for my plate current while tuned on 20 meters for example and producing good output @ 180 or 190 watts, I'm typically seeing about 425 mills plus or minus a hair.
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> Thanks again and 73
> Steve
>
> ---
> On Sun, 1/7/18, Dukes HiFi <dukeshifi@...> wrote:
>
> Subject: Re: [DrakeRadio] TR-4C unstable and declining bias indication

> To: "wes Bolin k5apl41@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>, "Stephen Thompson" <v2positiverate@...>
> Date: Sunday, January 7, 2018, 11:43 PM
>
> Have you
> tried measuring plate current independently of the radio?s
> current sense resistor?
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> fact that you are getting proper output suggests proper
> plate current. When you are getting 190 ?watts out, what is
> the plate meter reading?
> Gary
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>
> On Jan
> 7, 2018, at 10:53 PM, Stephen Thompson v2positiverate@...
> [DrakeRadio] <DrakeRadio@yahoogroups.com>
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> fluctuate over this past week just when I wanted to perform
> the neutralization of my finals on this TR-4C. At one point
> the bias could be set and so I attempted the neutralization.
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> difficult even when initiated on 20 meters and I don't
> feel its ultimately where it needs to be after finishing on
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> ma. with this updated AC-4 supplies bias knob set to full
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> when tuned into a dummy load and all knobs land in normal
> positions when tuneup is finished along with normal meter
> performance in receive and transmit with lots of good
> contacts made this week. Strange eh?
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> Thanks guys for any advice and
> 73
> Steve - K5PK
>
--
Richard Knoppow
1oldlens1@...
WB6KBL

42547. Re: [DrakeRadio] TR-4C unstable and declining bias indication

Yahoo group: DrakeRadio (2018)
Date: 2018-01-08 20:05:18 UTC
From: Stephen Thompson
Topic: 42543 Message: 42547

Hi Richard

I'm sure sorry to hear you're still struggling with pneumonia. You gotta get well so you can help our Drakes get well.

Quiescent... now there's a word you don't hear everyday. Not only am I an amateur writer but also a non-professional radio man. So, much of what you replied with was impressive and made some sense to me but to be honest, it was a bit beyond the scope of my recent experience, knowledge or skill level. What I am good at is doing the hands on repair when the problem is discovered. I'm a good kit and scratch builder from schematics but not a very good trouble shooter by theory. If it smoked in a logical location, I'm pretty good at finding that and doing the needed repair but thats about it. So, by remote control, kinda like a doctor Sydney using telemedicine to the citizen living in the outback of Australia, with Elmer level guidance, I can be your hands.

Following the Drake TR-4C manual: Before PA tuneup, with all controls preset as described, no drive... no load....ect. Lately the most indicated BIAS I can find with my good, updated AC-4's BIAS adjust knob, is at full counterclockwise, producing only 50ma on the rigs meter. A few days ago the BIAS pot was smooth and linear and still appears to be. Lately though, the 100ma pretune level has sometimes been found high or low and not holding to what had been originally set. So, it has settled at 50ma max and holding with the BIAS pot full counter clockwise. Anyway, I hope this careful re-write of current symptoms is more clear and helpful.

Get well soon,
73
Steve

On Mon, 1/8/18, Richard Knoppow <1oldlens1@...> wrote:

Subject: Re: [DrakeRadio] TR-4C unstable and declining bias indication
To: DrakeRadio@yahoogroups.com, "Stephen Thompson" <v2positiverate@...>, "Dukes HiFi" <dukeshifi@comcast.net>
Date: Monday, January 8, 2018, 2:51 AM

  Now, when you talk about BIAS
are you actually talking about quiescent
current? This is the current with no RF
drive. The bias voltage from
the power
supply will set the quiescent current. In the TR-4 it should

be set for 100mA. Is this current
steady? It should be. If, OTOH, you
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getting plate current that varies with a steady RF drive

signal (on
CW in the TR-4), there is
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the tube. Quiescent or resting current is strictly a DC
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three tubes. Cathode current is the combined plate and
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current. You can read it independtly
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First, make sure the cathode resistors are the correct
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Even though they are low value
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going up. The RF output amps in a TR4 or T4 run
around 60% efficiency,
maybe a bit less
especially since we are measuring cathode current
rather than just plate current. Assume the
plate voltage is around 650V
when under
load and calculate from this the _plate INPUT_ voltage, then

multiply by the efficiency (say 55%) and
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output
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than output power, as it is now.
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the doctor tomorrow. Makes me
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Stephen Thompson v2positiverate@...

[DrakeRadio] wrote:
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minus a hair.
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Thanks again and 73
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> On Sun, 1/7/18, Dukes HiFi <dukeshifi@...>
wrote:
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Subject: Re: [DrakeRadio] TR-4C unstable and declining bias
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> To: "wes Bolin k5apl41@...
[DrakeRadio]" <DrakeRadio@yahoogroups.com>,
"Stephen Thompson" <v2positiverate@...>
> Date: Sunday, January 7, 2018, 11:43
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>
current sense resistor?
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 watts out, what is
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>
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Richard Knoppow
1oldlens1@...
WB6KBL

42548. Re: [DrakeRadio] TR-4C unstable and declining bias indication

Yahoo group: DrakeRadio (2018)
Date: 2018-01-08 20:30:41 UTC
From: Dukes HiFi
Topic: 42543 Message: 42548

Quiescent current and idle current are one and the same in this instance.

You idle current should be VERY stable.

However, even if bias is low, you can still get pretty good output, it just takes a little more derive t do it.

Therefore I would look at the bias voltage at the tube grids, with no drive. That voltage should also be VERY stable.

You might want to try cleaning the bias pot on your updated supply. If updating did not include cleaning that pot, you could get exactly the problem you see.

The bias voltage should go from ~-45 to ~-65 as you go from end to end of the pot. It should be stable as s stone at every setting of the pot.

You state that you are getting ~400 mA when you get 190 watts out. That is pretty close to what I would expect (the manual says 380 to 500 mA at proper tune condition), and certainly not off by a factor of two, as is your idle current.

If one or more of your cathode resistors were flaky, your output power would be unstable since there is no way that two tubes running could produce the same output as three.

The same would be true if one or more screen resistors were bad.

So check that bias pot and associated parts first.

73

Gary

> On Jan 8, 2018, at 2:05 PM, Stephen Thompson v2positiverate@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Hi Richard
>
> I'm sure sorry to hear you're still struggling with pneumonia. You gotta get well so you can help our Drakes get well.
>
> Quiescent... now there's a word you don't hear everyday. Not only am I an amateur writer but also a non-professional radio man. So, much of what you replied with was impressive and made some sense to me but to be honest, it was a bit beyond the scope of my recent experience, knowledge or skill level. What I am good at is doing the hands on repair when the problem is discovered. I'm a good kit and scratch builder from schematics but not a very good trouble shooter by theory. If it smoked in a logical location, I'm pretty good at finding that and doing the needed repair but thats about it. So, by remote control, kinda like a doctor Sydney using telemedicine to the citizen living in the outback of Australia, with Elmer level guidance, I can be your hands.

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> Subject: Re: [DrakeRadio] TR-4C unstable and declining bias indication
> To: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>, "Stephen Thompson" <v2positiverate@... <mailto:v2positiverate@...>>, "Dukes HiFi" <dukeshifi@... <mailto:dukeshifi@...>>
> Date: Monday, January 8, 2018, 2:51 AM
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> > On Sun, 1/7/18, Dukes HiFi <dukeshifi@... <mailto:dukeshifi@...>>
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> >
> >
> Subject: Re: [DrakeRadio] TR-4C unstable and declining bias
> indication
> > To: "wes Bolin k5apl41@gmail.com <mailto:k5apl41@...>
> [DrakeRadio]" <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>,
> "Stephen Thompson" <v2positiverate@yahoo.com <mailto:v2positiverate@...>>
> > Date: Sunday, January 7, 2018, 11:43
> PM
> >
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> > Steve -
> K5PK
> >
> --
> Richard Knoppow
> 1oldlens1@... <mailto:1oldlens1@...>
> WB6KBL
>
>
>

42549. Hickok 6000A tube tester FS Excellent

Yahoo group: DrakeRadio (2018)
Date: 2018-01-08 22:51:41 UTC
From: Kc9cdt@...
Topic: 42549 Message: 42549

I have a super nice Hickok 6000A Tube tester FS. In excellent cosmetic condition and works fine...(Was calibrated a few years ago by the Hickok guy before he passed). All tube sockes fine. Includes manual and all documentation for tubes etc.
I have used it to test Collins, Drake, Halli etc tubes for a few years and now I don't need it any longer. Photos available and one with me testing a tube. It's one of the best.

I would like what I paid for it ...$400.00 + shipping Cont US only
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

42550. Re: [DrakeRadio] Hickok 6000A tube tester FS Excellent

Yahoo group: DrakeRadio (2018)
Date: 2018-01-08 23:39:26 UTC
From: Jeffrey Angus
Topic: 42549 Message: 42550

On 1/8/18 4:51 PM, Kc9cdt@... [DrakeRadio] wrote:
> I have a super nice Hickok 6000A Tube tester FS.
I have one, and yes it is.
<https://www.radiolaguy.com/images/Tube%20Testers/Hickok_6000A(2)P.jpg>

Although my daily "go to" tester is a Precision 10-12.
<http://www.grandcanyontuberadio.com/testequipment/Precision%20Tube%20Master%20Model%2010-12%20001.jpg>

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42551. Re: [DrakeRadio] Hickok 6000A tube tester FS Excellent

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 00:43:22 UTC
From: Kc9cdt@...
Topic: 42549 Message: 42551

Thanks Jeff...

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Jeffrey Angus jdangus@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Mon, Jan 8, 2018 6:59 pm
Subject: Re: [DrakeRadio] Hickok 6000A tube tester FS Excellent

On 1/8/18 4:51 PM, Kc9cdt@aol.com [DrakeRadio] wrote:

I have a super nice Hickok 6000A Tube tester FS.
I have one, and yes it is.
<https://www.radiolaguy.com/images/Tube%20Testers/Hickok_6000A(2)P.jpg>

Although my daily "go to" tester is a Precision 10-12.
<http://www.grandcanyontuberadio.com/testequipment/Precision%20Tube%20Master%20Model%2010-12%20001.jpg>

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42552. The Hickok Tube tester is sold...thanks to all

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 00:44:10 UTC
From: Kc9cdt@...
Topic: 42552 Message: 42552

6000A sold

Lee Simmonds
Summit DCS

260-403-6936 Cell

42553. T4X Problems

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 01:00:18 UTC
From: johng101501@...
Topic: 42553 Message: 42553

Ok had a t4x that i am bringing back to use after a long time. I noticed that when setting the bias the radio seemed to take off and start drawing considerable plate current-- bear in mind this supply has been updated with the heathkit shop board and works good im using it now with a tr4. then it would settle down and perform well . it had good power out but the way it tuned up concerned me- it had a verrry sensitive rf tune adj. I decided to replace the cathode and screen resistors- which had drifted up, and also the 3.3 ohm meter shunt resistor. After these repairs I fired the rig up , set the bias. which still acted funny . and then loaded it up. I used it for a maybe a half hour- then attempted to check the bias-- when i went to adjust it the meter pegged, so i shut things down . looked it over . now it pegs with both the tune position and the ptt switch on the mic-- i also noticed that where i should have bias on the tubes Ive got 260. volts-- anybody ever see this-- also green mini spaks came out of the antenna relay. I unplugged her and put it aside til i have a game plan. What do you guys think. does the same thing in tx am too.

42554. Re: [DrakeRadio] T4X Problems

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 01:50:51 UTC
From: Dukes HiFi
Topic: 42553 Message: 42554

Pull the finals out and see if the 260 volts at the grids goes away.

Gary

> On Jan 8, 2018, at 7:00 PM, johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Ok had a t4x that i am bringing back to use after a long time. I noticed that when setting the bias the radio seemed to take off and start drawing considerable plate current-- bear in mind this supply has been updated with the heathkit shop board and works good im using it now with a tr4. then it would settle down and perform well . it had good power out but the way it tuned up concerned me- it had a verrry sensitive rf tune adj. I decided to replace the cathode and screen resistors- which had drifted up, and also the 3.3 ohm meter shunt resistor. After these repairs I fired the rig up , set the bias. which still acted funny . and then loaded it up. I used it for a maybe a half hour- then attempted to check the bias-- when i went to adjust it the meter pegged, so i shut things down . looked it over . now it pegs with both the tune position and the ptt switch on the mic-- i also noticed that where i should have bias on the tubes Ive got 260. volts-- anybody ever see this-- also green mini spaks came out of the antenna relay. I unplugged her and put it aside til i have a game plan. What do you guys think. does the same thing in tx am too.
>
>
>

42555. Re: T4X Problems

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 02:04:41 UTC
From: johng101501@...
Topic: 42553 Message: 42555

ok Gary - you are thinking tube short??

42556. Re: [DrakeRadio] TR-4C unstable and declining bias indication

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 03:44:47 UTC
From: Richard Knoppow
Topic: 42543 Message: 42556

Thanks, its absolutely miserable. I will try the doctor again
tommorow or else go into urgent care.
More about quiescent below but first:
Check the bias supply. I am assuming you are using an AC-4 but this
really applies to other supplies also.
Disconnect the AC-4 and turn it on with a small jumper between pins
1 and 2 on the plug (install with AC cord disconnected). The bias is
between pin 9 (bias) and pin 6 (bias). It should read somewhere between
about -45 vots and -65 volts. It should vary smoothly with the bias pot
setting.
Even if you have rebuilt the AC-4 (or other supply) it should still
be checked. The kits for the supplies do NOT change the bias pot. Its
also possible that something got miswired.
If the supply checks out OK you must trace the bias around in the
TR-4 chassis. It goes through some resistors and a choke. Check the bias
at the grids of the output tubes. Should be steady at about -55 volts.
If the quiescent or resting bias is wrong it will cause the tubes to
draw excessive current.
Also, its not very obvious but the bias does not go directly to the
tubes from the supply. It goes first to V-13b, the ALC amplifier. It
also goes through a couple of resistors and an RF choke. Make sure there
is no variation being caused in this path.
I suppose if the definition of amateur is that you don't make a
living out of something a very large percentage of writers are amateurs.
I do rather a lot of writing and am interested in it as a process.
However, the thought of having to produce to a deadline scares the
stuffing out of me.
When I worked for Hewlett Packard, back in the last century, I had
a reputation for being to fix stuff over the phone. A very long time ago.
Anyway, we will beat this thing (TR-4 and pneumonia).
You will find "quiescent" in older books on vacuum tube amplifier
design. Mostly used to describe the bias point or other operating
parameters when the circuit is not excited. Generally, bias does not
change on linear amplifiers but can change radically on Class-C
amplifiers where part of the bias is generated by rectification of the
input drive. For the most part Class-C amplifiers have not been used
since the advent of SSB but there are still applications such as the
various pulse amplfiers used where very high efficiency is desired. A
whole other subject.
Trouble shooting is partly having an understanding of signal flow
and being able to follow it. Even applies to digital. Signal still
starts somewhere and goes somewhere else with things happening to it on
the way. Something like electronic Pirate's Cave.

> Hi Richard
>
> I'm sure sorry to hear you're still struggling with pneumonia. You gotta get well so you can help our Drakes get well.
>
> Quiescent... now there's a word you don't hear everyday. Not only am I an amateur writer but also a non-professional radio man.

--
Richard Knoppow
1oldlens1@...
WB6KBL

42557. Re: [DrakeRadio] TR-4C unstable and declining bias indication

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 07:01:53 UTC
From: Stephen Thompson
Topic: 42543 Message: 42557

Thank you Richard for your generosity of time there while ill and yet still trying to help with my bias concerns. Yes, this is an updated AC-4 that until recently provided stable and smoothly settable bias using the R6 10k pot. With all the great advice you've provided here and this that I found today to help further guide me visually, I'll have to try and trace these paths on my updated AC-4's new circuit board that's been in stable operation for a while now. So, I'm confident it's not an update wiring mistake. Here goes. I'll pull her out, open her up and see what I can find with your help here... and this too:

www.radiomanual.info/schemi/Surplus_Radioamateur/Drake_048_Technical_information_exchange.pdf

Thank you again Richard,
Steve

On Mon, 1/8/18, Richard Knoppow <1oldlens1@...> wrote:

Subject: Re: [DrakeRadio] TR-4C unstable and declining bias indication
To: "Stephen Thompson" <v2positiverate@...>
Cc: DrakeRadio@yahoogroups.com
Date: Monday, January 8, 2018, 9:44 PM

    Thanks, its absolutely
miserable. I will try the doctor again
tommorow or else go into urgent care.
    More about quiescent below but first:
    Check the bias supply. I am assuming you
are using an AC-4 but this
really applies
to other supplies also.
    Disconnect the
AC-4 and turn it on with a small jumper between pins
1 and 2 on the plug (install with AC cord
disconnected). The bias is
between pin 9
(bias) and pin 6 (bias). It should read somewhere between

about -45 vots and -65 volts. It should
vary smoothly with the bias pot
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    Even if you have rebuilt the AC-4 (or
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be checked.
The kits for the supplies do NOT change the bias pot. Its

also possible that something got
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If the supply checks out OK
you must trace the bias around in the
TR-4
chassis. It goes through some resistors and a choke. Check
the bias
at the grids of the output tubes.
Should be steady at about -55 volts.
If the
quiescent or resting bias is wrong it will cause the tubes
to
draw excessive current.
Also, its not very obvious but the bias
does not go directly to the
tubes from the
supply. It goes first to V-13b, the ALC amplifier. It
also goes through a couple of resistors and an
RF choke. Make sure there
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being caused in this path.
I suppose
if the definition of amateur is that you don't make a

living out of something a very large
percentage of writers are amateurs.
I do
rather a lot of writing and am interested in it as a
process.
However, the thought of having to
produce to a deadline scares the
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> Hi
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> I'm
sure sorry to hear you're still struggling with
pneumonia. You gotta get well so you can help our Drakes
get well.
>
>
Quiescent... now there's a word you don't hear
everyday. Not only am I an amateur writer but also a
non-professional radio man.

--
Richard Knoppow
1oldlens1@...
WB6KBL

42558. Drake TR4 for sale---tech special

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 19:53:13 UTC
From: prosolar@...
Topic: 42558 Message: 42558

Gang...

The subject lines says it all.

New's Year resolution to get rid of some the projects I've started and have no intent at all of completing. Way too many irons in the fire.

What I have is a TR4. It works, but not quite right. The ten meter band doesn't come up to full power. If I remember correctly, about 25ish W.

This is not a collector's radio. The chassis is fair, with plenty of flaws.

Front panel and cabinet are in good shape, not perfect, but on dings or extra holes. Has all the correct tubes. On the other HF bands, it seems to produce full power

This rig is too good to part out for its pieces parts.

I have not had this unit powered up for years. It's been sitting on a shelf.

I'm looking for $200 plus shipping via FEDEX home.
Open to offers. And if someone is serious, I'll send photos after I take some.
It does not come with a power supply or speaker.

I can deliver it to the Mansfield Ohio hamfest in Feb. Pick up is welcome.

Remember, it does not work correctly. This is for repair.

I'm Mike, WB8VGE

42559. AC-4 bias tested. Re: [DrakeRadio] TR-4C unstable and declining bias indication

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 20:24:48 UTC
From: Stephen Thompson
Topic: 42559 Message: 42559

Hi Richard and the group... I opened up the power supply and took some measurements after powering it up with the jumper. After other test points checked good with my RMS VOM, the bias all the way out the plug at pin #9 tested smooth thru its range with a couple of swings of the R6 pot and read -55 to -97 volts. So, I guess my stuck low bias is somewhere on my TR-4C. Anyone have any words of wisdom to offer before proceeding forward?

Thanks again,
73
Steve

On Mon, 1/8/18, Richard Knoppow <1oldlens1@...> wrote:

Subject: Re: [DrakeRadio] TR-4C unstable and declining bias indication
To: "Stephen Thompson" <v2positiverate@...>
Cc: DrakeRadio@yahoogroups.com
Date: Monday, January 8, 2018, 9:44 PM

    Thanks, its absolutely
miserable. I will try the doctor again
tommorow or else go into urgent care.
    More about quiescent below but first:
    Check the bias supply. I am assuming you
are using an AC-4 but this
really applies
to other supplies also.
    Disconnect the
AC-4 and turn it on with a small jumper between pins
1 and 2 on the plug (install with AC cord
disconnected). The bias is
between pin 9
(bias) and pin 6 (bias). It should read somewhere between

about -45 vots and -65 volts. It should
vary smoothly with the bias pot
setting.
    Even if you have rebuilt the AC-4 (or
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be checked.
The kits for the supplies do NOT change the bias pot. Its

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miswired.
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you must trace the bias around in the

TR-4
chassis. It goes through some resistors and a choke. Check
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at the grids of the output tubes.
Should be steady at about -55 volts.
If the
quiescent or resting bias is wrong it will cause the tubes
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draw excessive current.
    Also, its not very obvious but the bias
does not go directly to the
tubes from the
supply. It goes first to V-13b, the ALC amplifier. It
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RF choke. Make sure there
is no variation
being caused in this path.
    I suppose
if the definition of amateur is that you don't make a

living out of something a very large
percentage of writers are amateurs.
I do
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process.
However, the thought of having to
produce to a deadline scares the
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out of me.
    When I worked for Hewlett
Packard, back in the last century, I had
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reputation for being to fix stuff over the phone. A very
long time ago.
    Anyway, we will beat
this thing (TR-4 and pneumonia).
    You
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tube amplifier
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describe the bias point or other operating
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Generally, bias does not
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amplifiers but can change radically on Class-C
amplifiers where part of the bias is generated
by rectification of the
input drive. For
the most part Class-C amplifiers have not been used
since the advent of SSB but there are still

applications such as the
various pulse
amplfiers used where very high efficiency is desired. A
whole other subject.

Trouble shooting is partly having an understanding of signal
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and being able to follow it. Even
applies to digital. Signal still
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somewhere and goes somewhere else with things happening to
it on
the way. Something like electronic
Pirate's Cave.

> Hi
Richard
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> I'm
sure sorry to hear you're still struggling with
pneumonia. You gotta get well so you can help our Drakes
get well.
>
>
Quiescent... now there's a word you don't hear
everyday. Not only am I an amateur writer but also a
non-professional radio man.

--
Richard Knoppow
1oldlens1@...
WB6KBL

42560. Hickok 6000A tube tester FS EXCELLENT Cond.

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 20:56:02 UTC
From: Kc9cdt@...
Topic: 42560 Message: 42560

Hello everyone,

It is a Hickok 6000A I have used for HAM tubes for some time now. It is in excellent cosmetic and working condition. It is one that was recommended to me by several Vintage radio folks. It is a mutual conductance unit.

(Was calibrated a few years ago by the Hickok guy before he passed). All tube sockes fine. Includes manual and all documentation for tubes etc.

Photos available and even one testing a tube...showing values.

I would like what I paid for it a few years ago...$400.00 + help on shipping.
Thanks,
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

42561. Tr-7 questions

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 21:06:28 UTC
From: Ray Collins
Topic: 42561 Message: 42561

blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid !important; padding-left:1ex !important; background-color:white !important; }
Well after two years I finally gave up on my first TR-7, corrosion on the front panel/ band switch shaft, readout issue, wandering VFO. It must have been damp at some point. Anyway number 2 has arrived.
My question is, there was oil on the cover above the filters, it must have been stored upside down, are those filter cans oil filled?
Number two was missing the noise blanker so number one lost its noise blanker card. Found a cremated tantalum on the 2nd IF board. Now just have to brave enough to power it up.
 Surprised how tight the card connectors are, like they had never been pulled since they were installed in 1977.
 Is it worthwhile bringing it up slowly on say 5 volts to re-form the capacitors?
73's Ray VE3 BDK

Sent from Yahoo Mail for iPad

42562. Re: AC-4 bias tested. Re: [DrakeRadio] TR-4C unstable and declining bias indication

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 21:18:45 UTC
From: Richard Knoppow
Topic: 42559 Message: 42562

Next, if not already done, clean the pins on the the plug, both chassis and cord side with Deoxit and a toothbrush. The toothbrush will get into the female pins well enough to clean them. Scrub both sides well. The pins can get so oxidized that they cause all sorts of problems and simply working them doesn't quite do it.
Next (if the problem is still there) check the voltages at the final tube sockets. You should see the bias there and again, it should be steady and vary smoothly. Also check the other voltages but be careful about the plates. In fact, check the plate connectors with power off and power supply disconnected from the chassis. Make sure its making good contact with the tube plate caps and that the parasitic supressors are not loose on their solder joints or the resistors cracked.
Tube current can be checked at the cathode resistors. There is a 15 ohm resistor on each tube. Check these for value (again with the PS disconnected) and make sure they are on value or very close. I have seen these way off. If they are OK you can measure the individual tube currents as the voltage drop across each resistor. They may not be exactly the same but should be close.
Check screen voltage, again it should be the same on each tube and steady.
Both screen and bias come over somewhat long paths through RF chokes and feed through type bypass capacitors. All can cause trouble. Measure at each point but if the voltage at the tube socket is steady there is likely no problem.
Bias also comes through the AGC tube so it should be checked.
Enough for now. Just do normal trouble shooting, following each signal or voltage path from point to point to see where the trouble is originating.
Be careful probing around because spaces are tight and its easy to short something with the meter probe. Be careful you know what you are touching.
The plate voltage also goes through an RF choke and feed through capacitor so should be checked for variation.
Something else that I think has not been mentioned: with power disconnected, turn the chassis over and work all the screws that hold circuit boards, solder terminals, anything else. Put a drop of deoxit on them and work them a eighth turn back and forth several times making sure they are tight when you finish. Some ground connections are made through mounting screws and become poor due to some oxidation under the screw. This voodoo is often forgotten but also often fixes a lot of mysterious problems.
Report what you find and if the problem persists we will think of other things to try.
I am off to the doctor this afternoon. We will see. I may be

getting over whatever this is but I've had too much experience with
things coming back to have much confidence.
On 1/9/2018 12:24 PM, Stephen Thompson v2positiverate@...
[DrakeRadio] wrote:
> Hi Richard and the group... I opened up the power supply and took some measurements after powering it up with the jumper. After other test points checked good with my RMS VOM, the bias all the way out the plug at pin #9 tested smooth thru its range with a couple of swings of the R6 pot and read -55 to -97 volts. So, I guess my stuck low bias is somewhere on my TR-4C. Anyone have any words of wisdom to offer before proceeding forward?
>
> Thanks again,
> 73
> Steve

--
Richard Knoppow
1oldlens1@...
WB6KBL

42563. Re: [DrakeRadio] T4X Problems

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 21:44:04 UTC
From: Joe Pyles
Topic: 42553 Message: 42563

I had a T-4X transmitter do this once and C47,
500 pf, the plate blocking capacitor for the
12BY7 driver shorted and put the drivers B+ on
the final grids. It killed the finals quickly. I
don't know if this is your problem but it's something to check.

73, Joe Pyles KC9LAD

At 08:00 PM 1/8/2018, you wrote:
>
>
>Ok had a t4x that i am bringing back to use
>after a long time. I noticed that when setting
>the bias the radio seemed to take off and start
>drawing considerable plate current-- bear in
>mind this supply has been updated with the
>heathkit shop board and works good im using it
>now with a tr4. then it would settle down and
>perform well . it had good power out but the way
>it tuned up concerned me- it had a verrry
>sensitive rf tune adj. I decided to replace
>the cathode and screen resistors- which had
>drifted up, and also the 3.3 ohm meter shunt
>resistor. After these repairs I fired the rig up
>, set the bias. which still acted funny . and
>then loaded it up. I used it for a maybe a half
>hour- then attempted to check the bias-- when i
>went to adjust it the meter pegged, so i shut
>things down . looked it over . now it pegs with
>both the tune position and the ptt switch on the
>mic-- i also noticed that where i should have
>bias on the tubes Ive got 260. volts-- anybody
>ever see this-- also green mini spaks came out
>of the antenna relay. I unplugged her and put
>it aside til i have a game plan. What do you
>guys think. does the same thing in tx am too.
>

This email has been checked for viruses by AVG.
http://www.avg.com

42564. Re: [DrakeRadio] Tr-7 questions

Yahoo group: DrakeRadio (2018)
Date: 2018-01-09 21:59:48 UTC
From: Dukes HiFi
Topic: 42561 Message: 42564

The filters are not oil filled.

There should be no source of oil in the radio.

It sounds like maybe the electrolyte from an electrolytic.

Take a close look at caps in the area.

If the radio has been off a LONG time, years, slow powering might be a good idea.

Gary

> On Jan 9, 2018, at 3:06 PM, Ray Collins raycollins39@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Well after two years I finally gave up on my first TR-7, corrosion on the front panel/ band switch shaft, readout issue, wandering VFO. It must have been damp at some point. Anyway number 2 has arrived.
>
>
> My question is, there was oil on the cover above the filters, it must have been stored upside down, are those filter cans oil filled?
>
> Number two was missing the noise blanker so number one lost its noise blanker card. Found a cremated tantalum on the 2nd IF board. Now just have to brave enough to power it up. Surprised how tight the card connectors are, like they had never been pulled since they were installed in 1977.
>
> Is it worthwhile bringing it up slowly on say 5 volts to re-form the capacitors?
>
> 73's Ray VE3 BDK
>
> Sent from Yahoo Mail for iPad <https://yho.com/footer0>
>
>

42565. Hickok 6000A is sold

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 00:35:18 UTC
From: Kc9cdt@...
Topic: 42565 Message: 42565

Tube tester is sold...thanks,
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

42566. Drake 2B Crystal Calibrator Solution on eBay & Digital Display Progress

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 03:04:17 UTC
From: k3jls@...
Topic: 42566 Message: 42566

Don't you just love it when you go to buy a 2B on eBay and find that the previous 'owner' had removed the crystal calibrator and is selling it for $150. These heartless people must have no souls.

I just bought a nice 2B without the calibrator and wanted to share an $18 solution that I found on eBay.

Elector-Resales makes a nice unit that can be double sided taped in the original calibrator's mounting position. It just needs 6.3 VAC, which can be wired through the existing front panel CALIBRATOR switch (after the B Plus is removed, of course (tie these two leads together and cover with heat shrink tubing). Six volts can be picked off the 6BZ6).

The calibrator's output can be adjusted and there are settings for 100 Khz, 50 Khz and 25 Khz.

The original wiring is easily restored.

I'll take some pictures and post it on my website along with details of two digital frequency displays that I'm working on right now. The first will use a reprogrammed (what an ordeal) version of the Chinese 6 digit display. Changing bands will require flipping a switch and pushing a button, and the last used frequency information will be stored in the PIC's flash memory. This will be the el-cheapo version.

Another version will use the DFD-2 board and will be virtually seamless, just like the way that it works with the Heathkit's and Ten-tec Century 21's. I can use most of this code.

I'll keep you posted.

Joe - K3JLS

42567. Re: AC-4 bias tested. Re: [DrakeRadio] TR-4C unstable and declining bias indication

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 14:13:31 UTC
From: Steve Wedge
Topic: 42559 Message: 42567

Be mindful that even the cathodes of the finals are above chassis potential - enough to bite you fairly hard.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Jan 9, 2018, at 16:18, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Next, if not already done, clean the pins on the the plug, both
> chassis and cord side with Deoxit and a toothbrush. The toothbrush will
> get into the female pins well enough to clean them. Scrub both sides
> well. The pins can get so oxidized that they cause all sorts of problems
> and simply working them doesn't quite do it.
> Next (if the problem is still there) check the voltages at the final
> tube sockets. You should see the bias there and again, it should be
> steady and vary smoothly. Also check the other voltages but be careful
> about the plates. In fact, check the plate connectors with power off and
> power supply disconnected from the chassis. Make sure its making good
> contact with the tube plate caps and that the parasitic supressors are
> not loose on their solder joints or the resistors cracked.
> Tube current can be checked at the cathode resistors. There is a 15
> ohm resistor on each tube. Check these for value (again with the PS
> disconnected) and make sure they are on value or very close. I have seen
> these way off. If they are OK you can measure the individual tube
> currents as the voltage drop across each resistor. They may not be
> exactly the same but should be close.
> Check screen voltage, again it should be the same on each tube and
> steady.
> Both screen and bias come over somewhat long paths through RF chokes
> and feed through type bypass capacitors. All can cause trouble. Measure
> at each point but if the voltage at the tube socket is steady there is
> likely no problem.
> Bias also comes through the AGC tube so it should be checked.
> Enough for now. Just do normal trouble shooting, following each
> signal or voltage path from point to point to see where the trouble is
> originating.
> Be careful probing around because spaces are tight and its easy to
> short something with the meter probe. Be careful you know what you are
> touching.
> The plate voltage also goes through an RF choke and feed through
> capacitor so should be checked for variation.
> Something else that I think has not been mentioned: with power

> disconnected, turn the chassis over and work all the screws that hold
> circuit boards, solder terminals, anything else. Put a drop of deoxit on
> them and work them a eighth turn back and forth several times making
> sure they are tight when you finish. Some ground connections are made
> through mounting screws and become poor due to some oxidation under the
> screw. This voodoo is often forgotten but also often fixes a lot of
> mysterious problems.
> Report what you find and if the problem persists we will think of
> other things to try.
> I am off to the doctor this afternoon. We will see. I may be
> getting over whatever this is but I've had too much experience with
> things coming back to have much confidence.
> On 1/9/2018 12:24 PM, Stephen Thompson v2positiverate@...
> [DrakeRadio] wrote:
>> Hi Richard and the group... I opened up the power supply and took some measurements after powering it up with the jumper. After other test points checked good with my RMS VOM, the bias all the way out the plug at pin #9 tested smooth thru its range with a couple of swings of the R6 pot and read -55 to -97 volts. So, I guess my stuck low bias is somewhere on my TR-4C. Anyone have any words of wisdom to offer before proceeding forward?
>>
>> Thanks again,
>> 73
>> Steve
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>
>
> ------------------------------------
>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>

42568. Re: [DrakeRadio] Drake 2B Crystal Calibrator Solution on eBay & Digital Display Progress

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 14:17:10 UTC
From: Ian Wilson
Topic: 42566 Message: 42568

Hi Joe,

The ProgRock kit from QRP Labs might fill various roles here, of which the calibrator would be most straightforward. www.qrp-labs.com (no financial interest).

I'd be interested in your experience reprogramming the 6-digit (etc) counters.
I have a couple here and have done quite a lot with the 16F876A in other projects.

73, ian K3IMW

On Tue, Jan 9, 2018 at 7:04 PM, k3jls@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Don't you just love it when you go to buy a 2B on eBay and find that the
> previous 'owner' had removed the crystal calibrator and is selling it for
> $150. These heartless people must have no souls.
>
> I just bought a nice 2B without the calibrator and wanted to share an $18
> solution that I found on eBay.
>
> Elector-Resales makes a nice unit that can be double sided taped in the
> original calibrator's mounting position. It just needs 6.3 VAC, which can
> be wired through the existing front panel CALIBRATOR switch (after the B
> Plus is removed, of course (tie these two leads together and cover with
> heat shrink tubing). Six volts can be picked off the 6BZ6).
>
> The calibrator's output can be adjusted and there are settings for 100
> Khz, 50 Khz and 25 Khz.
>
> The original wiring is easily restored.
>
> I'll take some pictures and post it on my website along with details of
> two digital frequency displays that I'm working on right now. The first
> will use a reprogrammed (what an ordeal) version of the Chinese 6 digit
> display. Changing bands will require flipping a switch and pushing a
> button, and the last used frequency information will be stored in the PIC's
> flash memory. This will be the el-cheapo version.
>
> Another version will use the DFD-2 board and will be virtually seamless,
> just like the way that it works with the Heathkit's and Ten-tec Century

> 21's. I can use most of this code.
>
> I'll keep you posted.
>
> Joe - K3JLS
>
>
>
>

42569. Re: Drake 2B Crystal Calibrator Solution on eBay & Digital Display Progress

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 17:03:56 UTC
From: notodoug@...
Topic: 42566 Message: 42569
Attachments: 1 described; binary payloads are missing from this source WARC

I have done exactly as you described with the Electro-Resales unit and it works perfectly in my 2B - see attached picture. It is held in place by double sided tape, exactly as you suggest. Either great minds think or fools seldom differ .

42570. SW4A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 18:16:38 UTC
From: Ronnie Hull
Topic: 42570 Message: 42570

Good morning y'all
I have no experience whatsoever with the Drake SW4A shortwave receiver. I thought the SPR-4 was "the" Drake tube type Shortwave rx

Opinions on the comparison of the two?

Thanks
Ronnie W5SUM

Sent from my iPhone

42571. RE: [DrakeRadio] SW4A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 19:18:42 UTC
From: James Barrie
Topic: 42570 Message: 42571

I have a SW4A. Great for the AM broadcast band. No BFO or product detector, so worthless for cw or ssb.

-----Original Message-----
From: "Ronnie Hull w5sum@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: ☐1/☐10/☐2018 13:16
To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>
Subject: [DrakeRadio] SW4A

Good morning y'all
I have no experience whatsoever with the Drake SW4A shortwave receiver. I thought the SPR-4 was "the" Drake tube type Shortwave rx

Opinions on the comparison of the two?

Thanks
Ronnie W5SUM

Sent from my iPhone

42572. Re: [DrakeRadio] SW4A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 19:39:00 UTC
From: Steve Wedge
Topic: 42570 Message: 42572

Hey, Ronnie -

The SW-4A is a tube (plus some diode and transistors) SW receiver that is very much in the same design family as all other 4-Line receivers. It covers 10 SW band segments, max. If you want a band that's not covered by the stock unit, you have to sacrifice one of the existing bands. It's powered from 120/240 VAC. It's AM only. Here's the manual: http://www.wb4hfn.com/DRAKE/DrakeManuals/PDFDOCS/SW-4A%20Manual.pdf

The SPR-4 was a later design and is 100% solid-state. It can run on AC or 12V DC power. There are 23 available band ranges for which you insert crystals. The older set is much simpler and the parts more economical (the common tubes are cheaper than the dual-gate MOSFETs that are in the SPR-4). The SPR-4 has a BFO, so will do AM-SSB-CW-RTTY. Manual at: http://hug-a-bug.com/SPR4_manual.pdf

With a lot of the SW AM broadcasters disappearing, the SPR-4 is a much more flexible unit, functionally. You can use either to listen to local MW AM stations.

On Wed, Jan 10, 2018 at 1:16 PM, Ronnie Hull w5sum@comcast.net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Good morning y'all
> I have no experience whatsoever with the Drake SW4A shortwave receiver. I
> thought the SPR-4 was "the" Drake tube type Shortwave rx
>
> Opinions on the comparison of the two?
>
> Thanks
> Ronnie W5SUM
>
> Sent from my iPhone
>
>

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42573. Re: [DrakeRadio] SW4A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 19:40:17 UTC
From: Ronnie Hull
Topic: 42570 Message: 42573

Yep I saw it had no BFO. I'm looking for a good Shortwave RX. Guess I will just Crystal up the R4C that will ship to Wb4hfn tomorrow for "the works"!!

I'll just use it, or does someone have a SPR-4 they may be interested in trading?

Ronnie W5SUM

Sent from my iPhone

> On Jan 10, 2018, at 1:18 PM, James Barrie barrie43@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I have a SW4A. Great for the AM broadcast band. No BFO or product detector, so worthless for cw or ssb.
> From: Ronnie Hull w5sum@comcast.net [DrakeRadio]
> Sent: ☐1/☐10/☐2018 13:16
> To: DrakeRadio@yahoogroups.com
> Subject: [DrakeRadio] SW4A
>
>
> Good morning y'all
> I have no experience whatsoever with the Drake SW4A shortwave receiver. I thought the SPR-4 was "the" Drake tube type Shortwave rx
>
> Opinions on the comparison of the two?
>
> Thanks
> Ronnie W5SUM
>
> Sent from my iPhone
>

42574. Re: [DrakeRadio] SW4A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 19:45:03 UTC
From: Steve Wedge
Topic: 42570 Message: 42574

Any R-4 receiver will be more than adequate for reception of SW BC transmissions. Some of the recently-discussed plug-in oscillators that work in an unused crystal socket are another option. Usually folks who want an SW-4A or SPR-4 want them to complete a Drake collection. I've bought and sold a few just to play with them for a bit.

On Wed, Jan 10, 2018 at 2:40 PM, Ronnie Hull w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Yep I saw it had no BFO. I'm looking for a good Shortwave RX. Guess I will
> just Crystal up the R4C that will ship to Wb4hfn tomorrow for "the works"!!
>
> I'll just use it, or does someone have a SPR-4 they may be interested in
> trading?
>
> Ronnie W5SUM
>
> Sent from my iPhone
>
> On Jan 10, 2018, at 1:18 PM, James Barrie barrie43@... [DrakeRadio]
> <DrakeRadio@yahoogroups.com> wrote:
>
>
>
>
> I have a SW4A. Great for the AM broadcast band. No BFO or product
> detector, so worthless for cw or ssb.
> ---
> From: Ronnie Hull w5sum@... [DrakeRadio]
> <DrakeRadio@yahoogroups.com>
> Sent: ☐1/☐10/☐2018 13:16
> To: DrakeRadio@yahoogroups.com
> Subject: [DrakeRadio] SW4A
>
>
>
> Good morning y'all
> I have no experience whatsoever with the Drake SW4A shortwave receiver. I
> thought the SPR-4 was "the" Drake tube type Shortwave rx
>
> Opinions on the comparison of the two?
>
> Thanks
> Ronnie W5SUM

>
> Sent from my iPhone
>
>
>

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42575. Re: [DrakeRadio] Re: Drake 2B Crystal Calibrator Solution on eBay & Digital Display Progress

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 17:48:34 UTC
From: Barry
Topic: 42566 Message: 42575

A 2B with chips. I can't unsee that...

Thanks,
Barry - N4BUQ

> I have done exactly as you described with the Electro-Resales unit and it
> works perfectly in my 2B - see attached picture. It is held in place by
> double sided tape, exactly as you suggest. Either great minds think or fools
> seldom differ .

42576. Re: Drake 2B Crystal Calibrator Solution on eBay & Digital Display Progress

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 20:45:55 UTC
From: notodoug@...
Topic: 42566 Message: 42576

I probably would have thought twice about it if the 2B had the collector status that everything Collins has. But my 2B is less than perfect cosmetically, and the mod is easy to remove without a trace if necessary. Maybe that's why I confine my efforts mostly to Drake and Heathkit stuff, where "improvements" are more accepted.That said, the 2B is my "daily driver" paired with a Heathkit HX20 for a compact vintage station. Pretty good receiver if it beats out my R4C (and an Eddystone EA12) for regular use.

73
Doug VE3DFR

42577. Re: [DrakeRadio] SW4A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 20:57:33 UTC
From: amfone
Topic: 42570 Message: 42577

How much are these crystal oscillators and where can I find one? Any particular one recommended?
Thanks Tim

On Wednesday, January 10, 2018, 2:48:31 PM EST, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Any R-4 receiver will be more than adequate for reception of SW BC transmissions. Some of the recently-discussed plug-in oscillators that work in an unused crystal socket are another option. Usually folks who want an SW-4A or SPR-4 want them to complete a Drake collection. I've bought and sold a few just to play with them for a bit..
On Wed, Jan 10, 2018 at 2:40 PM, Ronnie Hull w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Yep I saw it had no BFO. I'm looking for a good Shortwave RX. Guess I will just Crystal up the R4C that will ship to Wb4hfn tomorrow for "the works"!!
I'll just use it, or does someone have a SPR-4 they may be interested in trading?
Ronnie W5SUM

Sent from my iPhone
On Jan 10, 2018, at 1:18 PM, James Barrie barrie43@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I have a SW4A. Great for the AM broadcast band. No BFO or product detector, so worthless for cw or ssb. From: Ronnie Hull w5sum@... [DrakeRadio]
Sent: ☐1/☐10/☐2018 13:16
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] SW4A

Good morning y'all
I have no experience whatsoever with the Drake SW4A shortwave receiver. I thought the SPR-4 was "the" Drake tube type Shortwave rx

Opinions on the comparison of the two?

Thanks
Ronnie W5SUM

Sent from my iPhone

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42578. Re: [DrakeRadio] SW4A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 21:24:07 UTC
From: skoster
Topic: 42570 Message: 42578

Ronnie,
I've been looking for an SW4A, and have an SPR4. Shoot me a direct email if you want to talk.
Scott

Sent from my Sprint Samsung Galaxy S7.
-------- Original message --------From: "Ronnie Hull w5sum@comcast.net [DrakeRadio]" <DrakeRadio@yahoogroups.com> Date: 1/10/18 1:40 PM (GMT-06:00) To: DrakeRadio@yahoogroups.com, James Barrie <barrie43@gmail.com> Subject: Re: [DrakeRadio] SW4A

Yep I saw it had no BFO. I'm looking for a good Shortwave RX. Guess I will just Crystal up the R4C that will ship to Wb4hfn tomorrow for "the works"!!
I'll just use it, or does someone have a SPR-4 they may be interested in trading?
Ronnie W5SUM

Sent from my iPhone
On Jan 10, 2018, at 1:18 PM, James Barrie barrie43@gmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I have a SW4A. Great for the AM broadcast band. No BFO or product detector, so worthless for cw or ssb. From: Ronnie Hull w5sum@comcast.net [DrakeRadio]
Sent: ☐1/☐10/☐2018 13:16
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] SW4A

Good morning y'all

I have no experience whatsoever with the Drake SW4A shortwave receiver. I thought the SPR-4 was "the" Drake tube type Shortwave rx

Opinions on the comparison of the two?

Thanks

Ronnie W5SUM

Sent from my iPhone

42579. Re: [DrakeRadio] SW4A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 21:58:01 UTC
From: MadScientist
Topic: 42570 Message: 42579

The SW-4 was the tube type shortwave receiver from Drake. It was AM only, no BFO.

The SPR-4 was solid state and had a BFO for SSB and CW.

Performance-wise, they were world’s apart. Where the SW-4 was a pretty simple no frills radio, the SPR-4 was in the league of decent ham receivers of the day. The SPR-4 used up to 24 band crystals to cover any part of the HF spectrum you wanted.

That’s not to say that the SW-4 was junk. It was not. It was, for what it was, a decent AM SWL receiver, far better than most SWL junk of its day, and is still highly sought after

Sent from my iPad

> On Jan 10, 2018, at 12:16 PM, Ronnie Hull w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Good morning y'all
> I have no experience whatsoever with the Drake SW4A shortwave receiver. I thought the SPR-4 was "the" Drake tube type Shortwave rx
>
> Opinions on the comparison of the two?
>
> Thanks
> Ronnie W5SUM
>
> Sent from my iPhone
>

42580. Re: [DrakeRadio] T4X Problems

Yahoo group: DrakeRadio (2018)
Date: 2018-01-10 22:48:19 UTC
From: john g
Topic: 42553 Message: 42580

Man , that makes perfect sense, Im going to change that just based on what you stated, Many Thanks, John

On ☐Tuesday☐, ☐January☐ ☐9☐, ☐2018☐ ☐04☐:☐44☐:☐25☐ ☐PM☐ ☐EST, Joe Pyles epyles@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I had a T-4X transmitter do this once and C47, 500 pf, the plate blockingcapacitor for the 12BY7 driver shorted and put the drivers B+ on thefinal grids. It killed the finals quickly. I don't know if this is yourproblem but it's something to check.

73, Joe Pyles KC9LAD

At 08:00 PM 1/8/2018, you wrote:

Ok had a t4x that i am bringing back to use after a long time. I noticedthat when setting the bias the radio seemed to take off and start drawingconsiderable plate current-- bear in mind this supply has been updatedwith the heathkit shop board and works good im using it now with atr4. then it would settle down and perform well . it had good powerout but the way it tuned up concerned me- it had a verrry sensitive rftune adj. I decided to replace the cathode and screenresistors- which had drifted up, and also the 3.3 ohm meter shuntresistor. After these repairs I fired the rig up , set the bias. whichstill acted funny . and then loaded it up. I used it for a maybe ahalf hour- then attempted to check the bias-- when i went to adjust itthe meter pegged, so i shut things down . looked it over . now itpegs with both the tune position and the ptt switch on the mic-- i alsonoticed that where i should have bias on the tubes Ive got 260. volts--anybody ever see this-- also green mini spaks came out of the antennarelay. I unplugged her and put it aside til i have agame plan. What do you guys think. does the samething in tx am too.

| | Virus-free. www.avg.com |

42581. Re: [DrakeRadio] SW4A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-11 01:21:19 UTC
From: k3jls@...
Topic: 42570 Message: 42581

Check on eBay - I gave you a reference. They are $20, delivered. Mine works very well and - the mod is reversible.

42582. Re: Drake 2B Crystal Calibrator Solution on eBay & Digital Display Progress

Yahoo group: DrakeRadio (2018)
Date: 2018-01-11 01:23:07 UTC
From: k3jls@...
Topic: 42566 Message: 42582

hihi :)

42583. t4x function switch

Yahoo group: DrakeRadio (2018)
Date: 2018-01-11 01:41:27 UTC
From: johng101501@...
Topic: 42583 Message: 42583

Anybody got a t4x function switch they would part with--- it is the one that switches ssb, am tune etc. I am looking to buy a replacement to repair my t4x, Thanks John

42584. Re: Drake 2B Crystal Calibrator Solution on eBay & Digital Display Progress

Yahoo group: DrakeRadio (2018)
Date: 2018-01-13 00:26:08 UTC
From: paulz67@...
Topic: 42566 Message: 42584

After reading this thread, I went and bought a calibrator module from Electro-Resales as well, with the intention to install one into my 2C. Since the calibrator switch is part of the function switch on the 2C, am I better off hanging a switch off the back and using the heater voltage from the calibrator socket, or is there another prettier way to go about this?

Thanks and 73,
Paul
KA0JQF

42585. Re: [DrakeRadio] Re: Drake 2B Crystal Calibrator Solution on eBay & Digital Display Progress

Yahoo group: DrakeRadio (2018)
Date: 2018-01-13 00:46:45 UTC
From: MadScientist
Topic: 42566 Message: 42585

Here’s a clever way to do it.

You should be able to find (or make) a plug that will plug into the calibrator socket.

Do as you had planned, rectify and filter the filament voltage to power your little calibrator. Then get a small relay with a 200 volt or so DC coil and use the plate line from the 2C calibrator socket to activate the calibrator by controlling the rectified filament voltage to the calibrator.

The relay should have a pretty low current rating on the coil, of course.

You wouldn’t really need to get exactly a 200 volt coil. You could go lower and use a Zener diode in series with the relay to make up the excess. Just make sure that the Zener is not dissipating too much power driving the relay.

You COULD also simply drop the plate voltage down to the operating voltage of your calibrator using some dropping resistors and a Zener diode rated for the operating voltage of your calibrator.

Either way will work well and preserve exact operation as intended.

> On Jan 12, 2018, at 6:26 PM, paulz67@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> After reading this thread, I went and bought a calibrator module from Electro-Resales as well, with the intention to install one into my 2C. Since the calibrator switch is part of the function switch on the 2C, am I better off hanging a switch off the back and using the heater voltage from the calibrator socket, or is there another prettier way to go about this?
>
>
>
> Thanks and 73,
> Paul
>
> KA0JQF
>
>
>

42586. Re: [DrakeRadio] Re: Drake 2B Crystal Calibrator Solution on eBay & Digital Display Progress

Yahoo group: DrakeRadio (2018)
Date: 2018-01-13 00:52:56 UTC
From: Jeffrey Angus
Topic: 42566 Message: 42586

On 1/12/18 6:26 PM, paulz67 wrote:
>
> I better off hanging a switch off the back and using the heater
> voltage from the calibrator socket, or is there another prettier
> way to go about this?
>
Yes, there's a direct drop in replacement (solid state) that uses
the 6.3 vac to supply the low voltage DC for the calibrator and
the switch B+ to control a relay to turn the calibrator on and off.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42587. Re: [DrakeRadio] SW4A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-13 10:57:16 UTC
From: Bry Carling
Topic: 42570 Message: 42587

How are those crystals working out for your Drake rcvr, Ronnie?

73 - Bry, AF4K

From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of Ronnie Hull w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Wednesday, January 10, 2018 2:40 PM
To: DrakeRadio@yahoogroups.com; James Barrie
Subject: Re: [DrakeRadio] SW4A

Yep I saw it had no BFO. I'm looking for a good Shortwave RX. Guess I will just Crystal up the R4C that will ship to Wb4hfn tomorrow for "the works"!!

I'll just use it, or does someone have a SPR-4 they may be interested in trading?

Ronnie W5SUM

Sent from my iPhone

On Jan 10, 2018, at 1:18 PM, James Barrie barrie43@...<mailto:barrie43@...> [DrakeRadio] <DrakeRadio@yahoogroups.com<mailto:DrakeRadio@yahoogroups.com>> wrote:

I have a SW4A. Great for the AM broadcast band. No BFO or product detector, so worthless for cw or ssb.

From: Ronnie Hull w5sum@... [DrakeRadio]<mailto:DrakeRadio@yahoogroups.com>
Sent: □1/□10/□2018 13:16
To: DrakeRadio@yahoogroups.com<mailto:DrakeRadio@yahoogroups.com>
Subject: [DrakeRadio] SW4A

Good morning y'all
I have no experience whatsoever with the Drake SW4A shortwave receiver. I thought the SPR-4 was "the" Drake tube type Shortwave rx

Opinions on the comparison of the two?

Thanks
Ronnie W5SUM

Sent from my iPhone

42588. Re: [DrakeRadio] SW4A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-13 13:03:54 UTC
From: <w5sum@...>
Topic: 42570 Message: 42588

I havn't tried them yet Bry. I sent the R4C to WB4HFN for "the works" and when I get it back I will stuff it full of crystals and give them a try out

R

From: mailto:DrakeRadio@yahoogroups.com
Sent: Saturday, January 13, 2018 4:57 AM
To: DrakeRadio@yahoogroups.com ; Ronnie Hull
Subject: Re: [DrakeRadio] SW4A

How are those crystals working out for your Drake rcvr, Ronnie?

73 - Bry, AF4K

From: DrakeRadio@...m <DrakeRadio@yahoogroups.com> on behalf of Ronnie Hull w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Wednesday, January 10, 2018 2:40 PM
To: DrakeRadio@yahoogroups.com; James Barrie
Subject: Re: [DrakeRadio] SW4A

Yep I saw it had no BFO. I'm looking for a good Shortwave RX. Guess I will just Crystal up the R4C that will ship to Wb4hfn tomorrow for "the works"!!

I'll just use it, or does someone have a SPR-4 they may be interested in trading?

Ronnie W5SUM

Sent from my iPhone

On Jan 10, 2018, at 1:18 PM, James Barrie barrie43@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I have a SW4A.. Great for the AM broadcast band. No BFO or product detector, so worthless for cw or ssb.

From: mailto:DrakeRadio@yahoogroups.com
Sent: ☐1/☐10/☐2018 13:16
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] SW4A

Good morning y'all
I have no experience whatsoever with the Drake SW4A shortwave receiver. I thought the SPR-4 was "the" Drake tube type Shortwave rx

Opinions on the comparison of the two?

Thanks
Ronnie W5SUM

Sent from my iPhone

42589. New file uploaded to DrakeRadio

Yahoo group: DrakeRadio (2018)
Date: 2018-01-13 19:32:29 UTC
From: DrakeRadio@yahoogroups.com
Topic: 3736 Message: 42589

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the DrakeRadio
group.

File : /Dr72.jpg
Uploaded by : kg0mn <kg0mn@...>
Description : New addition to the Drake TR-7, the Noble Radio NRV7 is a nice addition to the TR-7 it give the radio far greater stability, CW keyer control, built-in sound card and electronic control of your TR-7. With the addition of TR7 panadapter you will have a SDR TR-7. Something that was likely never dreamed of when the radios were introduced.

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/DrakeRadio/files/Dr72.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

kg0mn <kg0mn@...>

42590. More Ready For Sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-13 19:54:48 UTC
From: Steve Wedge
Topic: 42590 Message: 42590

I've got some Drake gear here that's ready to go!

2B, s/n 3297, not the prettiest but not bad"

I found some dry transfer letters that match the Drake script and I put them on the front panel where needed (the power switch and a couple of other letters that had worn off) You'd be hard-pressed to pick them out. I sprayed the panel with clear semi-gloss when I was done. Chassis is mostly brown, but not heavily corroded. A previous owner thought it would be a great idea to remove the terminal strip and install an Octal socket in its stead. I removed the socket and put a new strip back where it belonged. It's a new strip, so it's kinda shiny but does the job. Cabinet has no major scratches and a couple of small dents. Everything works as it should: the PBT, the meter, NL (such as it is), etc. It's got a couple of replacement xtals (2B Radio Parts was selling these when they were in business). All bands: 80-40-20-15-10, plus 11m. I'm asking $125 plus shipping.

I also have two of the calibrators for the 2B/2C. Both work, one is in better shape than the other but neither have bright copper on top (one has patches of bright copper). The lesser one needs to have the crystal socket squeezed back on to accommodate the crustal. $80 for the better one, $50 for the one that needs a little work (the xtal pins are bent to get it to work but can be re-straightened).

Also, not a piece of Drake gear but of interest to those with balanced line dipoles - a Johnson KW Matchbox, with sending unit. Excellent condition, $350 + shipping.

And A AN/URM-25D HF signal generator. Has no cover and hence none of the transformers and other goodies. Great for aligning receivers. Works great but I have found a pristing 25F that's going to replace it. $40 + shipping.

Please contact off-list. I can be reached at my callsign at arrl dot net.

More to come once my shack is back together!

73,

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42591. Vacuum Tube Book

Yahoo group: DrakeRadio (2018)
Date: 2018-01-13 22:59:03 UTC
From: Richard Knoppow
Topic: 42591 Message: 42591

There was a long thread a week or two ago about tube cooling. I found an interesting book at Tubebooks.org from Federal Radio discussing transmitting tube filaments with notes on cooling and other interesting subjects. While all of this is covered elsewhere I find this book particularly clearly written and I think well worth downloading.
For those not familiar with Tubebooks.org there is a wealth of material there, all very well scanned and all FREE.
http://tubebooks.org/Books/ftrhto.pdf
--
Richard Knoppow
1oldlens1@...
WB6KBL

42592. Antenna

Yahoo group: DrakeRadio (2018)
Date: 2018-01-14 03:15:05 UTC
From: Brian Smith
Topic: 42592 Message: 42592

Please pardon the off topic subject but I know there is a wealth of knowledge here. I last used my HF setup a couple of weeks ago. Kenwood ts690...Drake L-4B...MFJ 989c(i believe this is the correct model. It’s a “3kw” tuner)...zero five flagpole vertical. When I went to use it tonight, I got no signal on the S meter. Checked all connections, jumpers, etc, and hooked from txvr directly to antenna with no change. It’s the same on 20, 40, and 80m. So I’m suspecting possibly the balun on the antenna. I can pick up some weak signals on FT-8 modes. How can I check the balun? I’m going to go out tomorrow when it’s light to check the antenna end. Thanks

Brian Smith, k9bps

42593. Re: [DrakeRadio] Antenna

Yahoo group: DrakeRadio (2018)
Date: 2018-01-14 03:17:42 UTC
From: Bob Maser
Topic: 42592 Message: 42593

Everybody is down on CW in the NAQP contest

On Sat, Jan 13, 2018 at 10:15 PM, Brian Smith k9bps@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Please pardon the off topic subject but I know there is a wealth of
> knowledge here. I last used my HF setup a couple of weeks ago. Kenwood
> ts690...Drake L-4B...MFJ 989c(i believe this is the correct model. It’s a
> “3kw” tuner)...zero five flagpole vertical. When I went to use it tonight,
> I got no signal on the S meter. Checked all connections, jumpers, etc, and
> hooked from txvr directly to antenna with no change. It’s the same on 20,
> 40, and 80m. So I’m suspecting possibly the balun on the antenna. I can
> pick up some weak signals on FT-8 modes. How can I check the balun? I’m
> going to go out tomorrow when it’s light to check the antenna end. Thanks
>
> Brian Smith, k9bps
>
>

42594. Re: [DrakeRadio] Antenna

Yahoo group: DrakeRadio (2018)
Date: 2018-01-14 04:57:54 UTC
From: Richard Knoppow
Topic: 42592 Message: 42594

I would start by trying to isolate the problem. Make sure its the antenna. First of all can you get a signal from the internal calibrator on the TS-690? If you can't disconnect the antenna plug and try again. I am not an expert on this rig (I have a much earlier Kenwood) but usually the calibrator is connected right to the antenna terminal. If the antenna input is shorted the calibrator may also be shorted. In any case check this. If you see the calibrator hook a length of wire to the antenna input and see if you get any signals. If the receiver is working hook everything back up and try the wire on the input/output of the antenna tuner (I have one of these and its a pretty good tuner). If you get a signal its something in the antenna, if not then trace back to see where the signal is disappearing. But, try something other than the regular antenna to eliminate everything else first.
I am not familiar with this antenna. If its circuit is on line somewhere I will have a look. In many cases checking with an ohm meter will find problems with bad connectors, cables, etc.

On 1/13/2018 7:15 PM, Brian Smith k9bps@... [DrakeRadio] wrote:
> Please pardon the off topic subject but I know there is a wealth of knowledge here. I last used my HF setup a couple of weeks ago. Kenwood ts690...Drake L-4B...MFJ 989c(i believe this is the correct model. It?s a ?3kw? tuner)...zero five flagpole vertical. When I went to use it tonight, I got no signal on the S meter. Checked all connections, jumpers, etc, and hooked from txvr directly to antenna with no change. It?s the same on 20, 40, and 80m. So I?m suspecting possibly the balun on the antenna. I can pick up some weak signals on FT-8 modes. How can I check the balun? I?m going to go out tomorrow when it?s light to check the antenna end. Thanks
>
> Brian Smith, k9bps

--
Richard Knoppow
1oldlens1@...
WB6KBL

42595. Another vacuum tube book

Yahoo group: DrakeRadio (2018)
Date: 2018-01-14 06:26:08 UTC
From: Richard Knoppow
Topic: 42595 Message: 42595

Two editions of a book on the construction of tubes and a discussion
of the materials used. May be of interest here.

http://tubebooks.org/Books/Atwood/Kohl%201960%20Materials%20and%20Techniques%20for%20Electron%20Tubes.pdf

An earlier edition is at:

http://tubebooks.org/Books/kohl_materials.pdf

--
Richard Knoppow
1oldlens1@...
WB6KBL

42596. Lee Blue Filter source? The thicker ones

Yahoo group: DrakeRadio (2018)
Date: 2018-01-14 07:05:05 UTC
From: Jim Pruitt
Topic: 42596 Message: 42596

I know the subject of "where can I find the blue filter material" debate goes on about every 6 months on this list so please excuse the same question but I have yet to see a source for the thicker versions of the Lee filters. All I have seen are pretty thin. At one point some years ago someone said that there is a thicker version of the Lee 172 and is for higher heat. Can someone tell me what that source is or what it is called when ordering from Lee or Roscolene?

Thank you.

Jim Pruitt
WA7DUY

42597. Re: [DrakeRadio] Lee Blue Filter source? The thicker ones

Yahoo group: DrakeRadio (2018)
Date: 2018-01-14 08:22:28 UTC
From: Richard Knoppow
Topic: 42596 Message: 42597

Try their web sites for the exact numbers of the heat resistant
material.
http://www.leefilters.com/
http://us.rosco.com/en

I suspect B&H Photo Supply has the stuff but otherwise try Amazon.

On 1/13/2018 11:05 PM, Jim Pruitt jpruitt67@... [DrakeRadio] wrote:
>
>
> I know the subject of "where can I find the blue filter material" debate
> goes on about every 6 months on this list so please excuse the same
> question but I have yet to see a source for the thicker versions of the
> Lee filters.? All I have seen are pretty thin.? At one point some years
> ago someone said that there is a thicker version of the Lee 172 and is
> for higher heat.? Can someone tell me what that source is or what it is
> called when ordering from Lee or Roscolene?
>
> Thank you.
>
> Jim Pruitt
> WA7DUY
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42598. RE: [DrakeRadio] Lee Blue Filter source? The thicker ones

Yahoo group: DrakeRadio (2018)
Date: 2018-01-14 10:00:46 UTC
From: Joe
Topic: 42596 Message: 42598

Any theatrical supply store will carry the films.

Joe - W7RKN

On 1/13/2018 11:05 PM, Jim Pruitt jpruitt67@... [DrakeRadio] wrote:
>
>
> I know the subject of "where can I find the blue filter material"
> debate goes on about every 6 months on this list so please excuse the
> same question but I have yet to see a source for the thicker versions
> of the Lee filters. All I have seen are pretty thin. At one point
> some years ago someone said that there is a thicker version of the Lee
> 172 and is for higher heat. Can someone tell me what that source is
> or what it is called when ordering from Lee or Roscolene?
>
> Thank you.
>
> Jim Pruitt
> WA7DUY
>

42599. Re: Lee Blue Filter source? The thicker ones

Yahoo group: DrakeRadio (2018)
Date: 2018-01-14 12:57:15 UTC
From: cqdew1uo@...
Topic: 42596 Message: 42599

In my TR7, I kept the original faded thick filter in place and covered it with the new thin blue filter. I found that this combination actually gave the closest color to the original.
Pete W1UO/6

42600. Newly acquired R4B problems

Yahoo group: DrakeRadio (2018)
Date: 2018-01-14 14:54:14 UTC
From: johng101501@...
Topic: 42600 Message: 42600

Hello, i recently obtained an R4B from a person that has some problems and previous repair mod attempts . looks like for whatever reason the p/o cut loose some 1n270 diodes. from the board 3 -- looks like d7 11, 12 and a resistor. seeing as these have already been cut -should i replace them if so with what? Im going to reverse the obvious butchery and then troubleshoot, Thanks for a great group!

42601. Re: [DrakeRadio] Lee Blue Filter source? The thicker ones

Yahoo group: DrakeRadio (2018)
Date: 2018-01-14 15:41:21 UTC
From: Jim Shorney
Topic: 42596 Message: 42601

Maybe eBay item 332493669408 ? Adorama is a reputable vendor, I've purchased non-ham items direct from them in the past.

73

-Jim
NU0C

On Sat, 13 Jan 2018 23:05:05 -0800, Jim Pruitt jpruitt67@... [DrakeRadio] wrote:

>I know the subject of "where can I find the blue filter material" debate
>goes on about every 6 months on this list so please excuse the same
>question but I have yet to see a source for the thicker versions of the
>Lee filters.-? All I have seen are pretty thin.-? At one point some years
>ago someone said that there is a thicker version of the Lee 172 and is
>for higher heat.-? Can someone tell me what that source is or what it is
>called when ordering from Lee or Roscolene?
>
>Thank you.
>
>Jim Pruitt
>WA7DUY
>
>

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"

42602. Re: [DrakeRadio] Newly acquired R4B problems

Yahoo group: DrakeRadio (2018)
Date: 2018-01-14 18:19:37 UTC
From: Steve Wedge
Topic: 42600 Message: 42602

Make sure to note any other changes first, as you'll have to undo
everything at the same time.

I acquired an R-4B from an estate that had many, many Drake rigs. Another
ham on this board also bought one and together we undid all the butchery
There were not only parts that needed to be replaced but extra parts that
needed to be removed. There were, I think, 9 or 10 of these receivers.
They had an extra knob on the front panel that appeared to affect the AGC.
If yours is one of those, I can dig through my old emails and see if I can
remember how we undid the mods. I do remember that the entire AGC buss was
messed with, as was the RF amp.

73,

On Sun, Jan 14, 2018 at 9:54 AM, johng101501@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Hello, i recently obtained an R4B from a person that has some problems and
> previous repair mod attempts . looks like for whatever reason the p/o cut
> loose some 1n270 diodes. from the board 3 -- looks like d7 11, 12 and a
> resistor. seeing as these have already been cut -should i replace them if
> so with what? Im going to reverse the obvious butchery and then
> troubleshoot, Thanks for a great group!
>
>
>

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42603. TR7 Predriver Substitute Transistor

Yahoo group: DrakeRadio (2018)
Date: 2018-01-14 20:24:39 UTC
From: bob.loving@...
Topic: 42603 Message: 42603

Does anyone happen to know of a suitable replacement for the MRF476 in the TR7 Version 2 Predriver board? Is there any chance the 2SC1678 might work?

73,
Bob K9JU
Maryville, TN

42604. Re: [DrakeRadio] TR7 Predriver Substitute Transistor

Yahoo group: DrakeRadio (2018)
Date: 2018-01-15 00:37:52 UTC
From: Jim Shorney
Topic: 42603 Message: 42604

On 14 Jan 2018 20:24:39 +0000, bob.loving@... [DrakeRadio] wrote:

>Does anyone happen to know of a suitable replacement for the MRF476 in the TR7 Version 2 Predriver board? Is there any chance the 2SC1678 might work?
>
>
> 73,
> Bob K9JU
> Maryville, TN

It might work, although the data sheets recommend it as an AM power amplifier. Nothing in the specs about SSB performance. I've seen the 2SC2075 and 2SC1969 mentioned as subs for the 476.

73

-Jim
NU0C

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"

42605. Re: [DrakeRadio] TR7 Predriver Substitute Transistor

Yahoo group: DrakeRadio (2018)
Date: 2018-01-15 00:56:37 UTC
From: Bob Loving
Topic: 42603 Message: 42605

Jim, those are a couple of possibilities. I will have to look over the spec sheets. Thank you.
73,Bob K9JU

On Sunday, January 14, 2018 7:38 PM, "'Jim Shorney' jshorney@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

  On 14 Jan 2018 20:24:39 +0000, bob.loving@sbcglobal.net [DrakeRadio] wrote:

>Does anyone happen to know of a suitable replacement for the MRF476 in the TR7 Version 2 Predriver board? Is there any chance the 2SC1678 might work?
>
>
> 73,
> Bob K9JU
> Maryville, TN

It might work, although the data sheets recommend it as an AM power amplifier.
Nothing in the specs about SSB performance. I've seen the 2SC2075 and 2SC1969
mentioned as subs for the 476.

73

-Jim
NU0C

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"

42606. Re: [DrakeRadio] TR7 Predriver Substitute Transistor

Yahoo group: DrakeRadio (2018)
Date: 2018-01-15 01:24:51 UTC
From: Joe Pyles
Topic: 42603 Message: 42606

I have used the NTE235 as a replacement for the
MRF476. The NTE seemed to run hotter than the
Motorola. The mod with 3 paralleled 1.8 ohm
resistors in the emitter fixed the heating
problem. I have also used a 2SC2166 and it worked fine.

73, Joe Pyles KC9LAD

At 03:24 PM 1/14/2018, bob.loving@sbcglobal.net [DrakeRadio] wrote:
>
>
>Does anyone happen to know of a suitable
>replacement for the MRF476 in the TR7 Version 2
>Predriver board? Is there any chance the 2SC1678 might work?
>
>
>73,
>
>Bob K9JU
>
>Maryville, TN
>
>
>

At 07:37 PM 1/14/2018, 'Jim Shorney' jshorney@... [DrakeRadio] wrote:
>
>
>On 14 Jan 2018 20:24:39 +0000, bob.loving@sbcglobal.net [DrakeRadio] wrote:
>
> >Does anyone happen to know of a suitable
> replacement for the MRF476 in the TR7 Version 2
> Predriver board? Is there any chance the 2SC1678 might work?
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> >
> > 73,
> > Bob K9JU
> > Maryville, TN
>
>It might work, although the data sheets recommend it as an AM power amplifier.
>Nothing in the specs about SSB performance. I've seen the 2SC2075 and 2SC1969
>mentioned as subs for the 476.
>
>73
>
>-Jim

>NU0C
>
>--
>Hold tight and pretend it's a plan. - The
>Doctor, "The Doctor, the Widow and the Wardrobe"
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

42607. Re: [DrakeRadio] Newly acquired R4B problems

Yahoo group: DrakeRadio (2018)
Date: 2018-01-15 01:29:03 UTC
From: john g
Topic: 42600 Message: 42607

Steve I dont think it is I think someone was looking for a problem and started clipping things. I appreciate the offer , It looks like there is only two area that have been touched, I hope to return her to working status in the near future - finishing up a t4x right now then the r4b , 73, John KC2WTS

On ☐Sunday☐, ☐January☐ ☐14☐, ☐2018☐ ☐01☐:☐19☐:☐43☐ ☐PM☐ ☐EST, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Make sure to note any other changes first, as you'll have to undo everything at the same time.
I acquired an R-4B from an estate that had many, many Drake rigs. Another ham on this board also bought one and together we undid all the butchery There were not only parts that needed to be replaced but extra parts that needed to be removed. There were, I think, 9 or 10 of these receivers. They had an extra knob on the front panel that appeared to affect the AGC. If yours is one of those, I can dig through my old emails and see if I can remember how we undid the mods. I do remember that the entire AGC buss was messed with, as was the RF amp.
73,
On Sun, Jan 14, 2018 at 9:54 AM, johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Hello, i recently obtained an R4B from a person that has some problems and previous repair mod attempts . looks like for whatever reason the p/o cut loose some 1n270 diodes. from the board 3 -- looks like d7 11, 12 and a resistor. seeing as these have already been cut -should i replace them if so with what? Im going to reverse the obvious butchery and then troubleshoot, Thanks for a great group!

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42608. Re: [DrakeRadio] SW4A

Yahoo group: DrakeRadio (2018)
Date: 2018-01-11 01:26:43 UTC
From: Barry
Topic: 42570 Message: 42608

I found them on Electro-Sales site but I didn't see them on eBay. Maybe I missed them. I think Electro-Sales is selling via another site.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "k3jls@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Wednesday, January 10, 2018 7:21:19 PM
> Subject: Re: [DrakeRadio] SW4A
>
> Check on eBay - I gave you a reference. They are $20, delivered. Mine works
> very well and - the mod is reversible.

42609. drake t4x rfc questions

Yahoo group: DrakeRadio (2018)
Date: 2018-01-15 13:13:09 UTC
From: johng101501@...
Topic: 42609 Message: 42609

Id like to replace rfc4 in my t4x-- it is listed as a 1mhy choke p pie. where do i get one of these? Thanks, John

42610. Re: [DrakeRadio] Newly acquired R4B problems

Yahoo group: DrakeRadio (2018)
Date: 2018-01-15 13:30:12 UTC
From: Steve Wedge
Topic: 42600 Message: 42610

I'd just replace the parts, then. 1N270's are pretty obtainable, as are resistors. Clean slate.

On Sun, Jan 14, 2018 at 8:29 PM, john g johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Steve I dont think it is I think someone was looking for a problem and
> started clipping things. I appreciate the offer , It looks like there is
> only two area that have been touched, I hope to return her to working
> status in the near future - finishing up a t4x right now then the r4b , 73,
> John KC2WTS
>
> On ☐Sunday☐, ☐January☐ ☐14☐, ☐2018☐ ☐01☐:☐19☐:☐43☐ ☐PM☐ ☐EST, Steve Wedge
> steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
>
> Make sure to note any other changes first, as you'll have to undo
> everything at the same time.
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> ham on this board also bought one and together we undid all the butchery
> There were not only parts that needed to be replaced but extra parts that
> needed to be removed. There were, I think, 9 or 10 of these receivers.
> They had an extra knob on the front panel that appeared to affect the AGC.
> If yours is one of those, I can dig through my old emails and see if I can
> remember how we undid the mods. I do remember that the entire AGC buss was
> messed with, as was the RF amp.
>
> 73,
>
> On Sun, Jan 14, 2018 at 9:54 AM, johng101501@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com> wrote:
>
>
>
>
> Hello, i recently obtained an R4B from a person that has some problems and
> previous repair mod attempts . looks like for whatever reason the p/o cut
> loose some 1n270 diodes. from the board 3 -- looks like d7 11, 12 and a
> resistor. seeing as these have already been cut -should i replace them if
> so with what? Im going to reverse the obvious butchery and then
> troubleshoot, Thanks for a great group!

>
>
>
>
> --
> Steve Wedge, W1ES/4
>
> Time flies like an arrow; fruit flies like a banana.
>
>
>

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42611. Re: [DrakeRadio] TR7 Predriver Substitute Transistor

Yahoo group: DrakeRadio (2018)
Date: 2018-01-15 16:05:25 UTC
From: Bob Loving
Topic: 42603 Message: 42611

Thanks to all for the suggestions. The 2SC2166 looks quite promising. The emitter ballasting might lessen the need for the external resistor "pack" to prevent thermal runaway.
73,Bob K9JU

On Sunday, January 14, 2018 8:25 PM, "Joe Pyles epyles@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

I have used the NTE235 as a replacement for the MRF476. The NTE seemed torun hotter than the Motorola. The mod with 3 paralleled 1.8 ohm resistorsin the emitter fixed the heating problem. I have also used a 2SC2166 andit worked fine.

73, Joe Pyles KC9LAD

At 03:24 PM 1/14/2018, bob.loving@... [DrakeRadio] wrote:

Does anyone happen to know of a suitable replacement for the MRF476 inthe TR7 Version 2 Predriver board? Is there any chance the 2SC1678 mightwork?

73,

Bob K9JU

Maryville, TN

At 07:37 PM 1/14/2018, 'Jim Shorney' jshorney@inebraska.com [DrakeRadio]wrote:

On 14 Jan 2018 20:24:39 +0000, bob.loving@sbcglobal.net [DrakeRadio]wrote:

>Does anyone happen to know of a suitable replacement for the MRF476in the TR7 Version 2 Predriver board? Is there any chance the 2SC1678might work?
>
>
> 73,
> Bob K9JU
> Maryville, TN

It might work, although the data sheets recommend it as an AM poweramplifier.
Nothing in the specs about SSB performance. I've seen the 2SC2075 and2SC1969
mentioned as subs for the 476.

73

-Jim
NU0C

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, theWidow and the Wardrobe"

| | Virus-free. www.avg.com |

42612. R-4B improved audio and less heat

Yahoo group: DrakeRadio (2018)
Date: 2018-01-15 16:47:41 UTC
From: bpierfel@...
Topic: 42612 Message: 42612

I've been unhappy with my R-4B's CW audio note for a long time as it had a grungy sound, especially at lower audio frequencies, slightly distorted but not clipped. Tiring to listen to. I setup an A/B comparison to a Kenwood TS-830S and the difference was obvious. The 830's audio was clean and easy to listen to compared to the R-4B. I had suspected this for some time but never got around to a solution. I suspected that the output transformer was the weak link in that it just doesn't have enough iron to reproduce lower frequencies. I wired in a much larger transformer and the R-4B's audio then equaled the TS-830. I also verified my listening with a distortion analyzer app. The stock audio was about 2.5% THD at my typical listening level, it improved to less than 0.5% with just the transformer swap. There is really no room to put a larger transformer under the chassis and part of my mission was lowering the heat generated by the 6EH5, so I got rid of the 6EH5 and built a small circuit up using a TDA2040 / TDA2050 (ECG1376) amplifier chip. End result is clean audio, probably a dozen Watts of heat removed, less load on the power transformer, all good. If anyone is interested in the mod, I've uploaded pictures and schematic to the files section in a folder "Drake R-4B solid state audio mod". Note that I also run my R-4B from a line Voltage reducing box I built with a 12 Volt "bucking" transformer. It reduces my 123-ish line Volts to about 110 Volts at the radio. This helped enormously with cooling down the power transformer and now with the SS audio, the radio and transformer run very cool (and sounds great!).
Bob KB8TL

42613. WANT: R4any 5595KHz 2nd osc crystal

Yahoo group: DrakeRadio (2018)
Date: 2018-01-15 17:48:17 UTC
From: Jim Warner
Topic: 42612 Message: 42613

Anyone have a working spare they'd care to sell?
Have plenty of parts and tubes to trade, or $$$
Tnx in advance,
Jim WA9Z

42614. Re: [DrakeRadio] WANT: R4any 5595KHz 2nd osc crystal

Yahoo group: DrakeRadio (2018)
Date: 2018-01-15 18:39:44 UTC
From: Jeffrey Angus
Topic: 42612 Message: 42614

On 1/15/18 11:48 AM, Jim Warner wrote:
> Anyone have a working spare they'd care to sell?
> Have plenty of parts and tubes to trade, or $$$
> Tnx in advance,
> Jim WA9Z
Peter Doherty should have an R-4A on his front porch today.

Might want to ask him about it.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42615. Re: [DrakeRadio] WANT: R4any 5595KHz 2nd osc crystal

Yahoo group: DrakeRadio (2018)
Date: 2018-01-15 19:10:57 UTC
From: Jim Wiley
Topic: 42612 Message: 42615

Perhaps not today - today is MLK birthday (a national holiday)

- Jim, KL7CC

On 1/15/2018 9:39 AM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
>
> On 1/15/18 11:48 AM, Jim Warner wrote:
> > Anyone have a working spare they'd care to sell?
> > Have plenty of parts and tubes to trade, or $$$
> > Tnx in advance,
> > Jim WA9Z
> Peter Doherty should have an R-4A on his front porch today.
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> Might want to ask him about it.
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> "I am a river to my people."
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> WA6FWI
> www.foxsmercantile.com
>
>

42616. Re: [DrakeRadio] R-4B improved audio and less heat

Yahoo group: DrakeRadio (2018)
Date: 2018-01-15 20:01:13 UTC
From: Richard Knoppow
Topic: 42612 Message: 42616

The problems describes are very common because most vacuum tube communications receivers have very simple single-ended pentode audio power amplifiers. One problem is the DC in the transformer primary which reduces the inductance and low frequency response. It also tends to increase distortion. A very few sets employ negative feedback but that is not much help unless a better transformer is also used. Even though the push-pull amps in some old receivers are not exactly high fidelity they usually sound lots better than the single ended ones. The old Super-Pro is an example, they are much smoother sounding on CW, let alone phone than most other receivers.
Generally, the low frequency response of the driver circuit is restricted to reduce the distortion from the power stage. When such a receiver is modified with larger coupling capacitors to "improve" its audio the added bass also increases the distortion. Your solution of replacing the output stage is probably the best one. You do not need a lot of power. Most of the original amplifiers, using tubes like a 6AQ5 of 6V6 have a maximum of around 4 watts out and are generally limited to less than a watt. They are sufficiently loud. Unfortunately the C, which has a solid state power amplifier, does the same thing, the collector current goes through the output transformer primary.

On 1/15/2018 8:47 AM, bpierfel@... [DrakeRadio] wrote:
>
>
> I've been unhappy with my R-4B's CW audio note for a long time as it had
> a grungy sound, especially at lower audio frequencies, slightly
> distorted but not clipped. Tiring to listen to.? I setup an A/B
> comparison to a Kenwood TS-830S and the difference was obvious. The
> 830's audio was clean and easy to listen to compared to the R-4B. I had
> suspected this for some time but never got around to a solution. I
> suspected that the output transformer was the weak link in that it just
> doesn't have enough iron to reproduce lower frequencies. I wired in a
> much larger transformer and the R-4B's audio then equaled the TS-830. I
> also verified my listening with a distortion analyzer app. The stock
> audio was about 2.5% THD at my typical listening level, it improved to
> less than 0.5% with just the transformer swap. There is really no room
> to put a larger transformer under the chassis and part of my mission was
> lowering the heat generated by the 6EH5, so I got rid of the 6EH5 and
> built a small circuit up using a TDA2040 / TDA2050 (ECG1376) amplifier
> chip. End result is clean audio, probably a dozen Watts of heat removed,
> less load on the power transformer, all good. If anyone is interested in
> the mod, I've uploaded pictures and schematic to the files section in a
> folder "Drake R-4B solid state audio mod". Note that I also run my R-4B
> from a line Voltage reducing box I built with a 12 Volt "bucking"
> transformer. It reduces my 123-ish line Volts to about 110 Volts at the

> radio. This helped enormously with cooling down the power transformer
> and now with the SS audio, the radio and transformer run very cool (and
> sounds great!).
>
> Bob KB8TL
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42617. RE: [DrakeRadio] R-4B improved audio and less heat

Yahoo group: DrakeRadio (2018)
Date: 2018-01-15 20:43:14 UTC
From: Paul Christensen
Topic: 42612 Message: 42617

>"so I got rid of the 6EH5 and built a small circuit up using a TDA2040 / TDA2050
> (ECG1376) amplifier chip.

Back in 2011, I looked at several options to improve R-4B audio characteristics and reduce cabinet heat. I looked at the LM and TDA series of "amp on a chip" audio power ICs. I wasn't happy with any of them, mostly due to residual audio hiss. The heat-generating class A stage was completely removed and substituted with an ulta-low-noise, low distortion, solid-state Class AB PP design from SM0VPO. The R-4B cabinet now runs cold to the touch.

I installed Sherwood's PS-4 power supply mod that's normally used with the R-4C. Doing so, gets rid of power-hungry and heat-producing voltage dividers. However, that required two major mods that most users won□t consider: (1) replacement of the R-4B power transformer with one from the R-4C, and (2) all 12V tubes were changed to their 6.3V equivalents. In the case of the 12AX7, it has a center-tapped filament, so it's possible use it from a 6.3V source.

The high-gain AF stage is discrete and uses Toshiba low-noise transistors. The new audio PA module is approximately 2.5-inch x 3.0 inch, mounts vertically on the chassis, and directly drives a speaker and headphones through a 4,500 uF Nichicon MUSE audio coupling cap. Even with the most sensitive audiophile headphones, there's no hiss, nor buzz at any AF control setting. THD at 1 kHz is under 0.05% at 4-watts. SMPTE IMD measurement is also under 0.05%. An updated version of SM0VPO's design can be seen on my QRZ.com page.

As I recall, mod photos still appear in the list archives and a full discussion can be gleaned by searching the 2011 list archives. The mod is definitely not for most users. My R-4B wasn't in mint condition when I started, so it was an easier decision to gut and make these changes. But after all that work, it ended up in mint cosmetic condition with Hartzell-painted covers, NOS front panel, dials, knobs, etc.

Paul, W9AC

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Monday, January 15, 2018 3:01 PM
To: DrakeRadio@yahoogroups.com; bpierfel@...
Subject: Re: [DrakeRadio] R-4B improved audio and less heat

The problems describes are very common because most vacuum tube communications receivers have very simple single-ended pentode audio power

amplifiers. One problem is the DC in the transformer primary which reduces the inductance and low frequency response. It also tends to increase distortion. A very few sets employ negative feedback but that is not much help unless a better transformer is also used. Even though the push-pull amps in some old receivers are not exactly high fidelity they usually sound lots better than the single ended ones. The old Super-Pro is an example, they are much smoother sounding on CW, let alone phone than most other receivers.
Generally, the low frequency response of the driver circuit is restricted to reduce the distortion from the power stage. When such a receiver is modified with larger coupling capacitors to "improve" its audio the added bass also increases the distortion. Your solution of replacing the output stage is probably the best one. You do not need a lot of power. Most of the original amplifiers, using tubes like a 6AQ5 of 6V6 have a maximum of around 4 watts out and are generally limited to less than a watt. They are sufficiently loud. Unfortunately the C, which has a solid state power amplifier, does the same thing, the collector current goes through the output transformer primary.

On 1/15/2018 8:47 AM, bpierfel@... [DrakeRadio] wrote:
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> I've been unhappy with my R-4B's CW audio note for a long time as it
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> (ECG1376) amplifier chip. End result is clean audio, probably a dozen
> Watts of heat removed, less load on the power transformer, all good.
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> transformer. It reduces my 123-ish line Volts to about 110 Volts at
> the radio. This helped enormously with cooling down the power
> transformer and now with the SS audio, the radio and transformer run
> very cool (and sounds great!).
>
> Bob KB8TL
>

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>

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Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

42618. Re: [DrakeRadio] Re: Drake (and other) front panel direct printing

Yahoo group: DrakeRadio (2018)
Date: 2018-01-16 03:57:05 UTC
From: WB6TNF
Topic: 42231 Message: 42618

Great business opportunity for an entrepreneur getting into restoration front panels for many popular boat anchors.Collins, Drake, Swan, Hallicrafters & others.Jim - WB6TNF

On Wednesday, December 27, 2017, 10:49:20 AM PST, Steve Toth stoth47@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

GaryOnce you get the process going and get a handle on things, let us know what other gear you can do front panels for and what you would need from a customer to get the job done - I am restoring a Dentron 160-10L linear that could use a resto on the front panel. - Steve W7SJT"Always look for a positive solution then Improvise, Adapt, and Overcome" "Sometimes it is the people who no one imagines doing anything, who do the things that no one can imagine"......

From: "Dukes HiFi dukeshifi@... [DrakeRadio]" <DrakeRadio@...m>
To: "Dukes HiFi dukeshifi@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>; skoster <skoster@...>
Cc: "Ken, W8EK" <KenW8EK@gmail.com>
Sent: Tuesday, December 26, 2017 2:23 PM
Subject: [DrakeRadio] Re: Drake (and other) front panel direct printing

Beginning mid-January I should be able to offer direct printed replacement front panels for most Drake equipment, including 1!, 2A, 2B, 2C, 4 line, 7 line.

I can only do panels that are removable from chassis (for now - I’m working on overcoming that limitation).

I reuse your old dilapidated panel. If it has minor dings and holes, I can fix those first prior to refinishing.

It won’t be free but hopefully well within reasonable for the radios involved.

Each panel will be different due to variations in size, complexity and condition.

Estimates always given prior to beginning work.

Gary

W0DVN

Posted by: Dukes HiFi <dukeshifi@comcast.net>

Yahoo Groups Links

42619. Re: [DrakeRadio] Re: Drake (and other) front panel direct printing

Yahoo group: DrakeRadio (2018)
Date: 2018-01-16 04:17:48 UTC
From: Stan Gammons
Topic: 42231 Message: 42619

From what I gather, that can be an expensive venture. Some/most of the offerings I've seen were designed by the person offering them for sale, but they were made by a shop setup to do that sort of work. This is one such place. http://www.frontpanelexpress.com/ I have absolutely zero experience with them other than I know they offer this sort of thing. I have a Clipperton L that could use a new front panel. Maybe one day I'll spend the time to design one using the software from front panel express. I wish Gary good luck if he decides to get into the front panel business.

73

Stan
KM4HQE

On 1/15/2018 9:57 PM, WB6TNF handyjimbo@... [DrakeRadio] wrote:
> Great business opportunity for an entrepreneur getting into
> restoration front panels for many popular boat anchors.
> Collins, Drake, Swan, Hallicrafters & others.
> Jim - WB6TNF
>
>
> On Wednesday, December 27, 2017, 10:49:20 AM PST, Steve Toth
> stoth47@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Gary
> Once you get the process going and get a handle on things, let us know
> what other gear you can do front panels for and what you would need
> from a customer to get the job done - I am restoring a Dentron 160-10L
> linear that could use a resto on the front panel.
> - Steve W7SJT
> "Always look for a positive solution then Improvise, Adapt, and Overcome"
>
> "Sometimes it is the people who no one imagines doing anything, who do
> the things that no one can imagine"......
>
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> ---
> *From:* "Dukes HiFi dukeshifi@... [DrakeRadio]"
> <DrakeRadio@yahoogroups.com>
> *To:* "Dukes HiFi dukeshifi@... [DrakeRadio]"
> <DrakeRadio@yahoogroups.com>; skoster <skoster@...>

> *Cc:* "Ken, W8EK" <KenW8EK@...>
> *Sent:* Tuesday, December 26, 2017 2:23 PM
> *Subject:* [DrakeRadio] Re: Drake (and other) front panel direct printing
>
> Beginning mid-January I should be able to offer direct printed
> replacement front panels for most Drake equipment, including 1!, 2A,
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> condition.
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> Estimates always given prior to beginning work.
>
> Gary
>
> W0DVN
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> ------------------------------------
> Posted by: Dukes HiFi <dukeshifi@...
> <mailto:dukeshifi@...>>
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> Yahoo Groups Links
>
>
> DrakeRadio-fullfeatured@yahoogroups.com
> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
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42620. Re: [DrakeRadio] Re: Drake (and other) front panel direct printing

Yahoo group: DrakeRadio (2018)
Date: 2018-01-16 04:02:11 UTC
From: MadScientist
Topic: 42231 Message: 42620

I should have my first Drake 2B panel made in 2 weeks.

Gary

> On Jan 15, 2018, at 9:57 PM, WB6TNF handyjimbo@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Great business opportunity for an entrepreneur getting into restoration front panels for many popular boat anchors.
> Collins, Drake, Swan, Hallicrafters & others.
> Jim - WB6TNF
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>
> On Wednesday, December 27, 2017, 10:49:20 AM PST, Steve Toth stoth47@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
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> Gary
> Once you get the process going and get a handle on things, let us know what other gear you can do front panels for and what you would need from a customer to get the job done - I am restoring a Dentron 160-10L linear that could use a resto on the front panel.
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> "Sometimes it is the people who no one imagines doing anything, who do the things that no one can imagine"......
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>
> From: "Dukes HiFi dukeshifi@comcast.net [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: "Dukes HiFi dukeshifi@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>; skoster <skoster@sbcglobal.net>
> Cc: "Ken, W8EK" <KenW8EK@...>
> Sent: Tuesday, December 26, 2017 2:23 PM
> Subject: [DrakeRadio] Re: Drake (and other) front panel direct printing
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for most Drake equipment, including 1!, 2A, 2B, 2C, 4 line, 7 line.
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> I reuse your old dilapidated panel. If it has minor dings and holes, I can fix those first prior to refinishing.
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> W0DVN
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> ------------------------------------
> Posted by: Dukes HiFi <dukeshifi@... <mailto:dukeshifi@...>>
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> Yahoo Groups Links
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42621. Re: [DrakeRadio] Re: Drake (and other) front panel direct printing

Yahoo group: DrakeRadio (2018)
Date: 2018-01-16 05:03:27 UTC
From: Doug Smith
Topic: 42231 Message: 42621

Regarding Front Panel Express...

I have used them a few times and have always been most pleased with the outcome. Here are two small examples that I've done (scroll to the bottom of each page to see the panels):

http://www.w7kf.com/Articles/Projects/LNetworkCoupler.html
http://www.w7kf.com/Articles/Projects/RigSelector.html

These panels are small, about two by six inches and I did a front and rear panel for each project.. Cost was around $50 each, as I recall..

73,
Doug, W7KF

> On Jan 15, 2018, at 9:17 PM, Stan Gammons s_gammons@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> From what I gather, that can be an expensive venture. Some/most of the offerings I've seen were designed by the person offering them for sale, but they were made by a shop setup to do that sort of work. This is one such place. http://www.frontpanelexpress.com/ I have absolutely zero experience with them other than I know they offer this sort of thing.
>
>

42622. off topic but brief

Yahoo group: DrakeRadio (2018)
Date: 2018-01-16 07:07:24 UTC
From: Ted Rappaport N9NB
Topic: 42612 Message: 42622

Dear Colleagues, the ARRL board meeting is in 2 days.

Unfortunately, the ARRL president has just chosen to ignore the concerns of tens of thousands of members in his recent post: http://www.arrl.org/news/a-note-to-members-from-arrl-president-rick-roderick-k5urIf you are so motivated, I ask you to please write your ARRL director andvice director if you are compelled to see this upcoming board meeting as akey turning point for ARRL. Many view this board meeting as pivotal, sincethe current president is up for a vote at the Board meeting. If the ARRL isto remain a membership-driven organization, your inputs to your directorsare needed in the next 2 days.Here is a sample of what I sent, but please use your own voice/your ownwords/your own ordering. Lets hope the power of the pen still works at ARRL.73 and thanks (and my apologies) for the intrusion. I realize others may notcare or may have a different view. Thanks for the air time. 73 ted n9nb----------Dear Director X:The open letter that ARRL president Roderick distributed on Jan. 15, 2018,using ARRL resources on the ARRL website, perpetuates a clear lack ofconsideration to legit
imate member concerns, and reveals his lack ofinterest in addressing the concerns of membership.Mr. Roderick?s open letter shows that his attitudes do not comply withmember wishes, making him ill-suited to serve as President for themember-driven ARRL. Never once did Mr. Roderick identify any specific?misinformation? or ?mischaracterizations? by unnamed source in his openletter, and he never addressed membership concerns about how/why/whatmotivations were/are at work to censure board member N6AA, and why theboard has secretly disqualified (without specifics given) many well-meaningmembers from running for the office of director, and why, specifically, theEthics committee is so adamant about enforcing and bolstering its gag orderand policies of secrecy and power through recent proposed amendments ofarticles and by-laws. Mr. Roderick?s letter never turned away from CEOGallagher?s statements, recently reported in CQ Magazine, that claimed nomember should ever be allowed to se
e proposed amendments before a boardmeeting. These are the problems that membership needs its leaders toaddress, but Mr. Roderick?s open letter completely ignored the member?sdemands.For the above reasons, I urge you to vote NO for K5UR?s election to remainPresident of ARRL at your upcoming board meeting.Also, I urge you to NOT support the upcoming motions proffered by DirectorsNorris and Linesco (and amendments made in committee thereto) which are sodisruptive to the League?s future, and have never been needed in the past100 years of the League. I urge you to ensure that all Vice Directors mayattend board meetings, and ensure that all directors motions are made publicto the membership well before any board meeting, that voting records by eachboard member are made public, that directors can openly discuss Leaguematters with their constituency, and that there are no changes that give anynon-elected members voting rights on the board. The board should alsodisclose any bequeath
s or financial motivations that causes it to takecertain positions with regard to its policies. Finally, I urge you toconsider and share with other directors these very thoughtful and reasonedpositions on the current proposed amendments that have been published:https://www.myarrlvoice.org/positions-of-myarrlvoice-org/ . I ask you tosupport the grass roots, member supported positions of this

link.https://www.myarrlvoice.org/positions-of-myarrlvoice-org/Please act on my concerns and many other member?s concerns. Please see howMr. Roderick?s open letter, using ARRL resources, fails to address any ofthe legitimate concerns raised by membership. Please repel this flawedattitude and do not reelect him as President, and undo the censure of N6AA,and turn back from the recent actions that attempt to empower non-electedpeople by giving them voting power on the board, and please turn back fromthe efforts that have already caused the board to punish or eliminatewould-be directors or members, by mere fancy. The great country we live inwas not built on the principles that are being espoused by leadership, andas you can see by these words by Hiram Percy Maxim, neither was the ARRL.Please take the time to read this -- particularly the last paragraph! Letthe board be governed by these words of our founding president: https://www.myarrlvoice.org/hiram-percy-maxim-september-1927/. Afterreading that last paragraph, how can any of these recent activities (thecensure of N6AA, the disqualification of many willing candidates fordirector, the Ethics committee ?secret? activities, the Code of Conduct(e.g. gag order), the proposed by-laws and articles changes aiming toconsolidate power, and now President Roderick?s letter that perpetuates moreof the same) be 100% for the public good!? It?s surely not!73, and thanks in advance for moving the ARRL to a more democratic placethan where it is now. You must turn us back from the wrong activities andattitudes that have pre
vailed and harmed the ARRL in the past year. Pleasemake your positions clear and public, so we may follow your progress inenacting the needs and desires of the membership.Sincerely

42623. RE: [DrakeRadio] off topic but brief

Yahoo group: DrakeRadio (2018)
Date: 2018-01-16 08:12:15 UTC
From: Joe
Topic: 42612 Message: 42623

Two things Ted.....

Normally this type of post would be considered 'politics', which the ham community rather discourages in both online 'conversations', and on air.

However, due to a time constraint and that the ARRL is important to many ham radio players, I'll let it stay on the group website.

Please note that this group does not endorse or reject the contents of the letter. That is solely a matter for the reader.

2nd, the URL:
http://www.arrl.org/news/a-note-to-members-from-arrl-president-rick-roderick-k5urIf is no longer available. It appear the ARRL has pulled it.

Joe Wolfe

Moderator

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] off topic but brief

Dear Colleagues, the ARRL board meeting is in 2 days.

<<edited for brevity>>

42624. Re: [DrakeRadio] off topic but brief

Yahoo group: DrakeRadio (2018)
Date: 2018-01-16 08:22:02 UTC
From: Ted Rappaport N9NB
Topic: 42612 Message: 42624

Thanks Joe, appreciate the consideration due to the imminent time of the meeting. The link was jumbled in formatting. Here is the correct link:

http://www.arrl.org/news/view/a-note-to-members-from-arrl-president-rick-roderick-k5ur

Its nice to hear from you, thanks for moderating. ted n9nb
From: Joe
Sent: Tuesday, January 16, 2018 3:12 AM
To: DrakeRadio@yahoogroups.com ; 'Ted Rappaport N9NB'
Subject: RE: [DrakeRadio] off topic but brief

Two things Ted.....

Normally this type of post would be considered 'politics', which the ham community rather discourages in both online 'conversations', and on air.

However, due to a time constraint and that the ARRL is important to many ham radio players, I'll let it stay on the group website.

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Joe Wolfe

Moderator

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] off topic but brief

Dear Colleagues, the ARRL board meeting is in 2 days.

<<edited for brevity>>

Virus-free. www.avg.com

42625. Re: [DrakeRadio] off topic but brief

Yahoo group: DrakeRadio (2018)
Date: 2018-01-16 10:44:16 UTC
From: blumu
Topic: 42612 Message: 42625

I am not a member, but share your concerns from this side of the Pond.

"They" do not read through piles of submissions in detail,
so I would suggest very brief bullet-point submissions
with a positive slant. Play advocate in your mind to figure
where they might be prompted to reflect.

Very best wishes to all,

Michael 2E0IHW
.....

On 16. 01 18 07:07, 'Ted Rappaport N9NB' TSRWVCOMM@... [DrakeRadio]
wrote:
> Dear Colleagues, the ARRL board meeting is in 2 days.
>
> Unfortunately, the ARRL president has just chosen to ignore the concerns of
> tens of thousands of members in his recent post:
> http://www.arrl.org/news/a-note-to-members-from-arrl-president-rick-roderick-k5ur > If
you are so motivated, I ask you to please write your ARRL director
and vice director > if you are compelled to see this upcoming board
meeting as akey turning point for ARRL.
...

42626. Re: [DrakeRadio] off topic but brief

Yahoo group: DrakeRadio (2018)
Date: 2018-01-16 11:35:08 UTC
From: Jeffrey Angus
Topic: 42612 Message: 42626

I just got my "Still breathing" 50 year certificate from the QCWA.
I've been a member of the ARRL for most of that.

Personally, I support what they are proposing.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42628. Excerpt, not topic, couldn't resist.

Yahoo group: DrakeRadio (2018)
Date: 2018-01-16 14:49:51 UTC
From: Chgypsy@...
Topic: 42628 Message: 42628

- Steve W7SJT
"Always look for a positive solution then Improvise, Adapt, and Overcome"

Tis a good motto for hamdom, but can you almost see/hear Clint Eastwood saying in one of his movies.
Carl WD8NHK

42629. RE: [DrakeRadio] Excerpt, not topic, couldn't resist.

Yahoo group: DrakeRadio (2018)
Date: 2018-01-16 16:10:55 UTC
From: Joe
Topic: 42628 Message: 42629

As in: “Heartbreak ridge” ??

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Excerpt, not topic, couldn't resist.

- Steve W7SJT

"Always look for a positive solution then Improvise, Adapt, and Overcome"

Tis a good motto for hamdom, but can you almost see/hear Clint Eastwood saying in one of his movies.

Carl WD8NHK

42630. Re: [DrakeRadio] TR7 Predriver Substitute Transistor

Yahoo group: DrakeRadio (2018)
Date: 2018-01-14 21:41:08 UTC
From: Paul Dulaff
Topic: 42603 Message: 42630

BobSee attached link for MRF476 to 2SC1678. RF Parts has 2SC1678 for $5.95 each. Give them a call on using the 2SC part as sub for the MRF476.https://english.electronica-pt.com/components-cross-reference?ref=MRF476Paul - WB2NMI

----- Original Message -----
From: bob.loving@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com
Sent: Sun, 14 Jan 2018 15:24:39 -0500 (EST)
Subject: [DrakeRadio] TR7 Predriver Substitute Transistor

Does anyone happen to know of a suitable replacement for the MRF476 in the TR7 Version 2 Predriver board? Is there any chance the 2SC1678 might work?
73,Bob K9JUMaryville, TN


```
<!--
#ygrp-mkp {
border: 1px solid #d8d8d8;
font-family: Arial;
margin: 10px 0;
padding: 0 10px;
}

#ygrp-mkp hr {
border: 1px solid #d8d8d8;
}

#ygrp-mkp #hd {
color: #628c2a;
font-size: 85%;
font-weight: 700;
line-height: 122%;
margin: 10px 0;
}

#ygrp-mkp #ads {
margin-bottom: 10px;
}

#ygrp-mkp .ad {
padding: 0 0;
}

#ygrp-mkp .ad p {
margin: 0;
}

#ygrp-mkp .ad a {
color: #0000ff;
```

```
text-decoration: none;
}
#ygrp-sponsor #ygrp-lc {
font-family: Arial;
}

#ygrp-sponsor #ygrp-lc #hd {
margin: 10px 0px;
font-weight: 700;
font-size: 78%;
line-height: 122%;
}

#ygrp-sponsor #ygrp-lc .ad {
margin-bottom: 10px;
padding: 0 0;
}

#actions {
font-family: Verdana;
font-size: 11px;
padding: 10px 0;
}

#activity {
background-color: #e0ecee;
float: left;
font-family: Verdana;
font-size: 10px;
padding: 10px;
}

#activity span {
font-weight: 700;
}

#activity span:first-child {
text-transform: uppercase;
}

#activity span a {
color: #5085b6;
text-decoration: none;
}

#activity span span {
color: #ff7900;
}

#activity span .underline {
text-decoration: underline;
}
```

```
.attach {
clear: both;
display: table;
font-family: Arial;
font-size: 12px;
padding: 10px 0;
width: 400px;
}

.attach div a {
text-decoration: none;
}

.attach img {
border: none;
padding-right: 5px;
}

.attach label {
display: block;
margin-bottom: 5px;
}

.attach label a {
text-decoration: none;
}

blockquote {
margin: 0 0 0 4px;
}

.bold {
font-family: Arial;
font-size: 13px;
font-weight: 700;
}

.bold a {
text-decoration: none;
}

dd.last p a {
font-family: Verdana;
font-weight: 700;
}

dd.last p span {
margin-right: 10px;
font-family: Verdana;
font-weight: 700;
}

dd.last p span.yshortcuts {
margin-right: 0;
```

```
}

div.attach-table div div a {
text-decoration: none;
}

div.attach-table {
width: 400px;
}

div.file-title a, div.file-title a:active, div.file-title a:hover, div.file-title
a:visited {
text-decoration: none;
}

div.photo-title a, div.photo-title a:active, div.photo-title a:hover, div.photo-title
a:visited {
text-decoration: none;
}

div#ygrp-mlmsg #ygrp-msg p a span.yshortcuts {
font-family: Verdana;
font-size: 10px;
font-weight: normal;
}

.green {
color: #628c2a;
}

.MsoNormal {
margin: 0 0 0 0;
}

o {
font-size: 0;
}

#photos div {
float: left;
width: 72px;
}

#photos div div {
border: 1px solid #666666;
height: 62px;
overflow: hidden;
width: 62px;
}

#photos div label {
color: #666666;
font-size: 10px;
```

```
overflow: hidden;
text-align: center;
white-space: nowrap;
width: 64px;
}

#reco-category {
font-size: 77%;
}

#reco-desc {
font-size: 77%;
}

.replbq {
margin: 4px;
}

#ygrp-actbar div a:first-child {

margin-right: 2px;
padding-right: 5px;
}

#ygrp-mlmsg {
font-size: 13px;
font-family: Arial, helvetica,clean, sans-serif;
*font-size: small;
*font: x-small;
}

#ygrp-mlmsg table {
font-size: inherit;
font: 100%;
}

#ygrp-mlmsg select, input, textarea {
font: 99% Arial, Helvetica, clean, sans-serif;
}

#ygrp-mlmsg pre, code {
font:115% monospace;
*font-size:100%;
}

#ygrp-mlmsg * {
line-height: 1.22em;
}

#ygrp-mlmsg #logo {
padding-bottom: 10px;
}
```

```
#ygrp-msg p a {
font-family: Verdana;
}

#ygrp-msg p#attach-count span {
color: #1E66AE;
font-weight: 700;
}

#ygrp-reco #reco-head {
color: #ff7900;
font-weight: 700;
}

#ygrp-reco {
margin-bottom: 20px;
padding: 0px;
}

#ygrp-sponsor #ov li a {
font-size: 130%;
text-decoration: none;
}

#ygrp-sponsor #ov li {
font-size: 77%;
list-style-type: square;
padding: 6px 0;
}

#ygrp-sponsor #ov ul {
margin: 0;
padding: 0 0 0 8px;
}

#ygrp-text {
font-family: Georgia;
}

#ygrp-text p {
margin: 0 0 1em 0;
}

#ygrp-text tt {
font-size: 120%;
}

#ygrp-vital ul li:last-child {
border-right: none !important;
}
-->
```

42631. Re: [DrakeRadio] TR7 Predriver Substitute Transistor

Yahoo group: DrakeRadio (2018)
Date: 2018-01-16 20:57:36 UTC
From: Bob Loving
Topic: 42603 Message: 42631

Paul, there seem to be several possible substitutes for the rather expensive, when you can find one, and almost unobtainium MRF476. Thank you.
Bob K9JU

On Tuesday, January 16, 2018 1:41 PM, "Paul Dulaff pdulaff@embarqmail.com [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

  Bob
See attached link for MRF476 to 2SC1678. RF Parts has 2SC1678 for $5.95 each. Give them a call on using the 2SC part as sub for the MRF476.
https://english.electronica-pt.com/components-cross-reference?ref=MRF476
Paul - WB2NMI

----- Original Message -----
From: bob.loving@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com
Sent: Sun, 14 Jan 2018 15:24:39 -0500 (EST)
Subject: [DrakeRadio] TR7 Predriver Substitute Transistor

 Does anyone happen to know of a suitable replacement for the MRF476 in the TR7 Version 2 Predriver board? Is there any chance the 2SC1678 might work?
73,Bob K9JUMaryville, TN

42632. Re: [DrakeRadio] Re: Drake 2B Crystal Calibrator Solution on eBay & Digital Display Progress

Yahoo group: DrakeRadio (2018)
Date: 2018-01-17 05:33:18 UTC
From: paulz67@...
Topic: 42566 Message: 42632

Thanks for the idea!

I ended up going this route to power the calibrator, using a 125v DPDT relay I had in the junk box (for the past 35+ years, no less). Since the voltage at the calibrator socket measured 135V and the relay worked correctly when tested using the voltage from the socket, I deemed it 'good enough.

Rigged up a connector and power wiring (okay, I used BNC connector center pins going into the calibrator connector), ran the 6V filament power and ground through the relay connections to the 6V AC input on the Electro-Resales calibrator module, fed the output signal from the phono output on the module to the appropriate pin on the socket, and zip-tied the whole works to the transformer can adjacent to the sockets for the calibrator and noise blanker.

It works nicely, and it's nice to see that the dial accuracy and stability of the 2C is really quite good, even at the 25 kHz points.

Thanks to all who chimed in and more, thanks for the lead on the calibrator module.

73,
Paul
KA0JQF

42633. Re: [DrakeRadio] Accessory/Calibrator Plug for 2B (et. al)

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 00:23:20 UTC
From: k3jls@...
Topic: 32435 Message: 42633

One has to wonder why Drake decided to use this archaic plug for their Q Multiplier. Could it be that they didn't want to use the classic octal socket so that a Heathkit QF-1 could be used instead of their product??

Joe

42634. Re: [DrakeRadio] Accessory/Calibrator Plug for 2B (et. al)

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 00:31:10 UTC
From: Jeffrey Angus
Topic: 32435 Message: 42634

On 1/17/18 6:23 PM, k3jls@... [DrakeRadio] wrote:
> One has to wonder why Drake decided to use this archaic plug
> for their Q Multiplier. Could it be that they didn't want to use
> the classic octal socket so that a Heathkit QF-1 could be used
> instead of their product??

I seriously doubt that.
It wasn't archaic at the time.
Using an octal socket would have added unnecessary expense to
both the chassis and the 2AC.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42635. L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 01:46:13 UTC
From: aw1929@...
Topic: 42635 Message: 42635

Hi Guys,

Does anyone have or know of a source for a real parts list for the L-4B? I have the original manual but it has no list at all, and even the schematic doesn't really call out all the parts completely.

Thanks very much!!

Mike
W7KWQ

42636. Re: [DrakeRadio] Accessory/Calibrator Plug for 2B (et. al)

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 01:55:29 UTC
From: Whitebear1122
Topic: 32435 Message: 42636

I’m guessing they used it because it was very inexpensive compared to octal plugs and connectors. Then there is the additional size of octal connectors. 73, Scott WA9WFA

42637. Re: [DrakeRadio] Accessory/Calibrator Plug for 2B (et. al)

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 03:06:28 UTC
From: Jim Shorney
Topic: 32435 Message: 42637

Quite right. That was a "standard" connector for aftermarked car stereo equipment through the 1970's and maybe even into the 80s. Which means they were cheap and, for a time, plentiful. Enouch so that Radio Shack found it profitable to offer a generic replacement cable assembly with the male connector on the end. The 5 pin variant was more common in later years. As for the QF-1 theory, that was back in the day when changing to the connector of your choice was not an issue for the average ham...

73

-Jim
NU0C

On Wed, 17 Jan 2018 18:31:10 -0600, Jeffrey Angus jdangus@... [DrakeRadio] wrote:

>On 1/17/18 6:23 PM, k3jls@... [DrakeRadio] wrote:
>> One has to wonder why Drake decided to use this archaic plug
>> for their Q Multiplier.-? Could it be that they didn't want to use
>> the classic octal socket so that a Heathkit QF-1 could be used
>> instead of their product??
>
>I seriously doubt that.
>It wasn't archaic at the time.
>Using an octal socket would have added unnecessary expense to
>both the chassis and the 2AC.
>
>--
>"I am a river to my people."
>Jeff-1.0
>WA6FWI
>www.foxsmercantile.com
>
>

--

"A deep understanding of reality is exactly the same thing as laziness." - Wally, "Dilbert"

42638. Re: [DrakeRadio] Accessory/Calibrator Plug for 2B (et. al)

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 03:28:12 UTC
From: MadScientist
Topic: 32435 Message: 42638

> As for
> the QF-1 theory, that was back in the day when changing to the connector of
> your choice was not an issue for the average ham...

OUCH!!!

> On Jan 17, 2018, at 9:06 PM, 'Jim Shorney' jshorney@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
>
> Quite right. That was a "standard" connector for aftermarked car stereo
> equipment through the 1970's and maybe even into the 80s. Which means they were
> cheap and, for a time, plentiful. Enouch so that Radio Shack found it
> profitable to offer a generic replacement cable assembly with the male
> connector on the end. The 5 pin variant was more common in later years. As for
> the QF-1 theory, that was back in the day when changing to the connector of
> your choice was not an issue for the average ham...
>
> 73
>
> -Jim
> NU0C
>
>
> On Wed, 17 Jan 2018 18:31:10 -0600, Jeffrey Angus jdangus@... [DrakeRadio]
> wrote:
>
>> On 1/17/18 6:23 PM, k3jls@... [DrakeRadio] wrote:
>>> One has to wonder why Drake decided to use this archaic plug
>>> for their Q Multiplier.- Could it be that they didn't want to use
>>> the classic octal socket so that a Heathkit QF-1 could be used
>>> instead of their product??
>>
>> I seriously doubt that.
>> It wasn't archaic at the time.
>> Using an octal socket would have added unnecessary expense to
>> both the chassis and the 2AC.
>>
>> --
>> "I am a river to my people."
>> Jeff-1.0
>> WA6FWI
>> www.foxsmercantile.com
>>
>>

>
> --
>
> "A deep understanding of reality is exactly the same thing as laziness." - Wally,
"Dilbert"
>
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> ------------------------------------
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> Yahoo Groups Links
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42639. Re: [DrakeRadio] Re: Drake 2B Crystal Calibrator Solution on eBay & Digital Display Progress

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 03:28:58 UTC
From: Jim Shorney
Topic: 42566 Message: 42639

On 17 Jan 2018 05:33:18 +0000, paulz67@... [DrakeRadio] wrote:

>
>Thanks to all who chimed in an d more, thanks for the lead on the calibrator module.

Nice to see you tinkering with Drakes again, Paul.

73

-Jim
NU0C

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"

42640. iNSTALLING FIXED FREQUENCY TRANSMIT CRYSTAL IN T-4X

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 03:30:12 UTC
From: w5htr@...
Topic: 42640 Message: 42640

Any special instructions for installing a fixed frequency crystal in a T-4X?

TNX, Fred W5HTR (w5htr@yahoo.com)

42641. Re: [DrakeRadio] L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 03:34:45 UTC
From: Paul Kraemer
Topic: 42635 Message: 42641

Neither does the “real” parts list
Pathetic is the word.
I can send you a copy but hardly worth having. What is your question?
Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com
Sent: Wednesday, January 17, 2018 7:46 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] L-4B Parts List

Hi Guys,

Does anyone have or know of a source for a real parts list for the L-4B? I have the original manual but it has no list at all, and even the schematic doesn't really call out all the parts completely.

Thanks very much!!

Mike

W7KWQ

42642. Re: [DrakeRadio] Accessory/Calibrator Plug for 2B (et. al)

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 05:15:10 UTC
From: Stan Gammons
Topic: 32435 Message: 42642

On 1/17/2018 9:06 PM, 'Jim Shorney' jshorney@... [DrakeRadio]
wrote:

> As for
> the QF-1 theory, that was back in the day when changing to the connector of
> your choice was not an issue for the average ham...

Yeah, before I got my ticket there was an Extra class ham that used to
bring me things to repair all the time. I guess things have changed
over the years. Seems like us folks that can work on anything from
vacuum tubes to SMT are becoming SK more and more :(

73

Stan
KM4HQE

42643. Re: [DrakeRadio] Accessory/Calibrator Plug for 2B (et. al)

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 05:51:47 UTC
From: Richard Knoppow
Topic: 32435 Message: 42643

I made my living fixing things for many years. My last job
(retired) was at Fox TV. Mostly there it was exchanging boards or
calling the factory rep or knowing where the reset button was. Knowing
the fundamentals of logical trouble shooting or even making measurements
seem to have become very rare. If it doesn't work, toss it in the trash
and buy another one.
I have become an old curmudgeon.
On 1/17/2018 9:15 PM, Stan Gammons s_gammons@... [DrakeRadio] wrote:
> On 1/17/2018 9:06 PM, 'Jim Shorney' jshorney@... [DrakeRadio]
> wrote:
>
>> As for
>> the QF-1 theory, that was back in the day when changing to the connector of
>> your choice was not an issue for the average ham...
>
> Yeah, before I got my ticket there was an Extra class ham that used to
> bring me things to repair all the time.? I guess things have changed
> over the years.? Seems like us folks that can work on anything from
> vacuum tubes to SMT are becoming SK more and more :(
>
> 73
>
> Stan
> KM4HQE

--
Richard Knoppow
1oldlens1@...
WB6KBL

42644. Re: [DrakeRadio] L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 16:59:48 UTC
From: Michael Cooley
Topic: 42635 Message: 42644

Thanks, Paul. Actually, I was just wondering about the list as a matter of documentation. The rig is operating properly and I can "divine" the parts list from looking at it--I was just wanting to cheat!! :-)
MikeW7KWQ

On Wednesday, January 17, 2018 7:35 PM, "'Paul Kraemer' elespe@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

Neither does the “real” parts listPathetic is the word.I can send you a copy but hardly worth having. What is your question?Paul K0UYA From: mailto:DrakeRadio@yahoogroups.com Sent: Wednesday, January 17, 2018 7:46 PMTo: DrakeRadio@yahoogroups.com Subject: [DrakeRadio] L-4B Parts List

Hi Guys,
Does anyone have or know of a source for a real parts list for the L-4B? I have the original manual but it has no list at all, and even the schematic doesn't really call out all the parts completely.
Thanks very much!!
MikeW7KWQ

42645. FS-4 listed on eBay

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 18:37:16 UTC
From: AL
Topic: 42645 Message: 42645

There is currently a FS-4 listed on eBay, current bid is $54 being sold out of Oregon. I don't know the seller but thought it looked good and so far the price was good.

https://www.ebay.com/itm/Drake-FS-4-Frequency-Synthesizer-SPR-4-R-4-A-B-C-Series-Trans-Receiver-9-59-Mhz/302605450591?hash=item4674b0bd5f:g:yjIAAOSw~B1aPBk2

Al, n7ioh

42646. How do you change the T4XB meter lamp?

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 18:43:42 UTC
From: Jim Pruitt
Topic: 42646 Message: 42646

What is the trick to changing the meter lamp in the T4XB? I bought some LED lamps to put in. Turned out the lamps are 12v and not 6 but I had a terrible time getting to the incandescant to change it. I finally did but now have to change it again and these LED's twist in the base so I can't just twist it out of the socket. The lamp is in such a hard place to access I am wondering if there is a secret to getting access to that and getting it back in? I ended up removing the meter and even that did not really help. The one core in the one can was in the way.

Thank you.

Jim Pruitt
WA7DUY

42647. RE: [DrakeRadio] FS-4 listed on eBay

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 18:49:39 UTC
From: Joe
Topic: 42645 Message: 42647

Shipping seems high.

Joe W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] FS-4 listed on eBay

There is currently a FS-4 listed on eBay, current bid is $54 being sold out of Oregon. I don't know the seller but thought it looked good and so far the price was good.

https://www.ebay.com/itm/Drake-FS-4-Frequency-Synthesizer-SPR-4-R-4-A-B-C-Series-Trans-Receiver-9-59-Mhz/302605450591?hash=item4674b0bd5f:g:yjIAAOSw~B1aPBk2

Al, n7ioh

42648. Re: [DrakeRadio] FS-4 listed on eBay

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 18:53:18 UTC
From: hghesser
Topic: 42645 Message: 42648

Joe,
Not if you're on the Right Coast in Virginia!

73, Harv WB6TTF

On Thu, Jan 18, 2018 at 1:49 PM, Joe w7rkn.7@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Shipping seems high.
>
>
>
> Joe W7RKN
>
>
>
> *From:* DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> *Subject:* [DrakeRadio] FS-4 listed on eBay
>
>
>
>
>
>
>
> There is currently a FS-4 listed on eBay, current bid is $54 being sold
> out of Oregon. I don't know the seller but thought it looked good and so
> far the price was good.
>
> https://www.ebay.com/itm/Drake-FS-4-Frequency-Synthesizer-SPR-4-R-4-A-B-C-
> Series-Trans-Receiver-9-59-Mhz/302605450591?hash=
> item4674b0bd5f:g:yjIAAOSw~B1aPBk2
>
>
>
> Al, n7ioh
>
>
>
>
>
>
>

42649. Re: [DrakeRadio] FS-4 listed on eBay

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 18:54:55 UTC
From: AL
Topic: 42645 Message: 42649

I thought it was a good price , at least to me based on what I've paid
in the last 90 days for items.

US $22.84

United States

Expedited Shipping (USPS Priority Mail Large Flat Rate Box^®)

Al, n7ioh

On 01/18/2018 11:49 AM, Joe wrote:
>
> Shipping seems high.
>
> Joe W7RKN
>
> *From:*DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> *Subject:* [DrakeRadio] FS-4 listed on eBay
>
>
>
>
> There is currently a FS-4 listed on eBay, current bid is $54 being
> sold out of Oregon. I don't know the seller but thought it looked
> good and so far the price was good.
>
> https://www.ebay.com/itm/Drake-FS-4-Frequency-Synthesizer-SPR-4-R-4-A-B-C-Series-Trans-R
eceiver-9-59-Mhz/302605450591?hash=item4674b0bd5f:g:yjIAAOSw~B1aPBk2
> <https://www.ebay.com/itm/Drake-FS-4-Frequency-Synthesizer-SPR-4-R-4-A-B-C-Series-Trans-
Receiver-9-59-Mhz/302605450591?hash=item4674b0bd5f:g:yjIAAOSw%7EB1aPBk2>
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> Al, n7ioh
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42650. Re: [DrakeRadio] How do you change the T4XB meter lamp?

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 20:35:14 UTC
From: Richard Knoppow
Topic: 42646 Message: 42650

I have had the same problem with small bayonet lamps. Something
oxidizes and they stick in the sockets. I have had some success using
needle nose pliers to hold the sides of the socket without squeezing the
lamp base but have also had to break the lamp and work the remainder of
the base with pliers. I have not tried Deoxit or penetrating oil but
suspect that one or the other might break the "glue" and free the lamp.

On 1/18/2018 10:43 AM, Jim Pruitt jpruitt67@... [DrakeRadio] wrote:
>
>
> What is the trick to changing the meter lamp in the T4XB?? I bought some
> LED lamps to put in.? Turned out the lamps are 12v and not 6 but I had a
> terrible time getting to the incandescant to change it.? I finally did
> but now have to change it again and these LED's twist in the base so I
> can't just twist it out of the socket.? The lamp is in such a hard place
> to access I am wondering if there is a secret to getting access to that
> and getting it back in?? I ended up removing the meter and even that did
> not really help.? The one core in the one can was in the way.
>
> Thank you.
>
> Jim Pruitt
> WA7DUY
1oldlens1@...
WB6KBL

42651. Re: [DrakeRadio] How do you change the T4XB meter lamp?

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 21:30:40 UTC
From: Jim Pruitt
Topic: 42646 Message: 42651

Hello Richard.

The problem I am asking advice for is not how to get the bayonet to turn in the socket.? The problem I have is that there is no room to get the bulb in or out.? If it was the round #53's like the TR7 uses then it MIGHT be doable but the #47's have the long glass globe and so there is no room to raise it up out of the socket. I tried getting the socket and clip off of its flange but even when I did that there was no room to get the bulb in or out of the socket. Sine I put the LED in and it spins in the bayonet base the problem gets compounded.? At least in this T4XB there just is no room.? I do not remember that being a problem in the first T4XB that I owned...but then that was 50 years ago!? I am wondering if I have to remove the plate tune shaft?? That would give me access to the top of that bulb.? Is that how you have to replace that bulb?

Thank you.

Jim Pruitt
WA7DUY

On 1/18/2018 12:35 PM, Richard Knoppow wrote:
> I have had the same problem with small bayonet lamps. Something
> oxidizes and they stick in the sockets. I have had some success using
> needle nose pliers to hold the sides of the socket without squeezing
> the lamp base but have also had to break the lamp and work the
> remainder of the base with pliers.? I have not tried Deoxit or
> penetrating oil but suspect that one or the other might break the
> "glue" and free the lamp.
>
> On 1/18/2018 10:43 AM, Jim Pruitt jpruitt67@... [DrakeRadio] wrote:
>>
>>
>> What is the trick to changing the meter lamp in the T4XB?? I bought
>> some LED lamps to put in.? Turned out the lamps are 12v and not 6 but
>> I had a terrible time getting to the incandescant to change it.? I
>> finally did but now have to change it again and these LED's twist in
>> the base so I can't just twist it out of the socket.? The lamp is in
>> such a hard place to access I am wondering if there is a secret to
>> getting access to that and getting it back in?? I ended up removing
>> the meter and even that did not really help.? The one core in the one
>> can was in the way.
>>
>> Thank you.
>>
>> Jim Pruitt
>> WA7DUY

> 1oldlens1@...
> WB6KBL
>

42652. Re: [DrakeRadio] How do you change the T4XB meter lamp?

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 22:03:01 UTC
From: Richard Knoppow
Topic: 42646 Message: 42652

I was going to take the cover off my T4XB and look, I guess I will
have to. I thought the lamp mounted like the one in the R4B, that is,
its on a bracket and pushes into the side of the meter shield. On the
R4B its a tight fit but a little body english will get it out. Make sure
the power if off (I don't need to tell you this) because the bracket and
leads will hit everything near. If my memory is right a needle nose
pliers will help grip the and of the push on bracket. Does this make any
sense?

On 1/18/2018 1:30 PM, Jim Pruitt jpruitt67@... [DrakeRadio] wrote:
>
>
> Hello Richard.
>
> The problem I am asking advice for is not how to get the bayonet to turn
> in the socket.? The problem I have is that there is no room to get the
> bulb in or out.? If it was the round #53's like the TR7 uses then it
> MIGHT be doable but the #47's have the long glass globe and so there is
> no room to raise it up out of the socket. I tried getting the socket and
> clip off of its flange but even when I did that there was no room to get
> the bulb in or out of the socket. Sine I put the LED in and it spins in
> the bayonet base the problem gets compounded.? At least in this T4XB
> there just is no room.? I do not remember that being a problem in the
> first T4XB that I owned...but then that was 50 years ago!? I am
> wondering if I have to remove the plate tune shaft?? That would give me
> access to the top of that bulb.? Is that how you have to replace that bulb?

--
Richard Knoppow
1oldlens1@...
WB6KBL

42653. Re: [DrakeRadio] How do you change the T4XB meter lamp?

Yahoo group: DrakeRadio (2018)
Date: 2018-01-18 22:23:09 UTC
From: Richard Knoppow
Topic: 42646 Message: 42653

OK, I opened it up. The lamp in the receiver goes in from the side, this one goes in from the bottom. There is a lead from the meter to the switch on the plate tuning control that switches the meter from current to RF out. Make sure its dressed so that it does not interfere with the lamp bracket. You may have to unsolder it from the switch. The lamp bracket pushes down. When down it will rock forward enough to allow the lamp to clear the mounting tab on the meter shield. It will also pull up a bit. Its a tight fit and requires some body english but you can replace the lamp without doing major disassembly. You will need at least one pair of fairly fine needle nosed pliers. Also, it helps to have a push-on lamp remover. Can be made from a short length of rubber tubing. I think the insulation from RG-58 also works. It is a little like doing surgery. At worst you have to pull the front panel off and remove the meter shield (two screws). I don't remember ever having to do this for the lamp but you must to replace the blue filter. I don't know of any magic, just slight of hand.

On 1/18/2018 1:30 PM, Jim Pruitt wrote:
> Hello Richard.

>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42654. SL61545

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 00:03:01 UTC
From: Ray Collins
Topic: 42654 Message: 42654

blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid !important; padding-left:1ex !important; background-color:white !important; } Audio chip for a Drake Tr-7. Anybody have a spare, or does anyone know where I could get one?
73'sRay VE3BDK

Sent from Yahoo Mail for iPad

42655. Re: [DrakeRadio] SL61545

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 00:21:27 UTC
From: Joe Pyles
Topic: 42654 Message: 42655

This is an LM380N, the Sl61545 number is the
Drake house part number. They are obsolete but
can be found at many parts places on the internet and ebay.

73, Joe Pyles KC9LAD

At 07:03 PM 1/18/2018, you wrote:
>
>
>Audio chip for a Drake Tr-7. Anybody have a
>spare, or does anyone know where I could get one?
>
>73's
>Ray VE3BDK
>
>
><https://yho.com/footer0>Sent from Yahoo Mail for iPad
>

This email has been checked for viruses by AVG.
http://www.avg.com

42656. Re: [DrakeRadio] SL61545

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 01:06:22 UTC
From: Bob Loving
Topic: 42654 Message: 42656

Mouser has the LM380 in the non-lead solder version. The price is $1.58 US.
Bob K9JU

On Thursday, January 18, 2018 7:03 PM, "Ray Collins raycollins39@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

  Audio chip for a Drake Tr-7. Anybody have a spare, or does anyone know where I could get one?
73'sRay VE3BDK

Sent from Yahoo Mail for iPad

42657. i need 80m and 40m t4x crystals and were is a good place to hook up digital frequency counter on T4w thanks vk2mu Ron

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 03:00:39 UTC
From: Ron Hawkins
Topic: 42657 Message: 42657

[Body unavailable in the source archive]

42658. Re: [DrakeRadio] L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 04:04:04 UTC
From: aw1929@...
Topic: 42635 Message: 42658

Hi Paul,

Were you sending me your parts list? I'd love to have it even though it's meager.

I'm in the process of drawing the L-4B schematic into Visio and plan to include as many part descriptions as I can put my hands on. Mine has had a couple mod's--the W7RY boards, vacuum relay, etc., in addition to the tapered top chimneys, non-stock parasitic chokes and tube plate caps.

My plan is to get the schematic drawn and parts list nailed down using the original configurations, then create a second schematic and parts list reflecting the mod's I intend to save. In general, the W7RY mods only. I also intend to install a step-start system that includes solid state relays to control the switch from CW/Tune to SSB mode to remove all the AC voltages from those unobtanium rocker switches.

Anyway, any information I can collect (I have all the W7RY stuff) on the original amplifier configuration will be of value in my ongoing quest.

Thanks so much for your help, Paul!

Mike

W7KWQ

42659. Re: [DrakeRadio] L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 04:14:23 UTC
From: Stan Gammons
Topic: 42635 Message: 42659

On 1/18/2018 10:04 PM, aw1929@... [DrakeRadio] wrote:

> I also intend to install a step-start system that includes solid state
> relays to control the switch from CW/Tune to SSB mode to remove all
> the AC voltages from those unobtanium rocker switches.

You can buy the replacement parts to repair the switches
https://www.ebay.com/itm/RL-Drake-L-4B-L-7-L-75-Amplifier-Replacement-Power-CW-SSB-Switch-Assembly/360569348651?hash=item53f39ba22b:g:xooAAMXQAx9RVHC~

Turning the amp on with it set to SSB seems to be what shortens the life
of the switches. I got a spare replacement switch kit for my L-4B just
in case I need it.

73

Stan
KM4HQE

42660. Re: [DrakeRadio] i need 80m and 40m t4x crystals and were is a good place to hook up digital frequency counter on T4w thanks vk2mu Ron

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 04:15:09 UTC
From: MadScientist
Topic: 42657 Message: 42660

Please post frequencies of the crystals.

The best place for a counter is in the premix line. You will need to use a programmable preload counter so you can subtract out the IF.

The only other way is to use a counter that monitors the frequency of the transmitter output RF.

I have one off these for sale but they are of limited use for SSB because you need a steady carrier (Tune, CW or AM) to get a reading.

Gary

> On Jan 18, 2018, at 9:00 PM, Ron Hawkins ronhawk@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>

42661. Re: [DrakeRadio] How do you change the T4XB meter lamp?

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 05:50:48 UTC
From: Richard Knoppow
Topic: 42646 Message: 42661

You have to see it directly to know what they did. The lamp is mounted on a bracket like the dial lamps on old radios. The bracket in turn on a tab that is part of the shield and light diffuser on the meter. It slides up from the bottom. To change the lamp you must push the bracket downward off the tab on the diffuser. Once it clears the bracket you can push the top of the lamp backward to the socket and bracket is tilted toward the rear. With the help of a small pliers to hold the bracket and socket you can remove the lamp and install a new one. Then you must pull the bracket back on the tab. The shaft for the plate tuning cap is right next to the lamp and makes it difficult to reach but the lamp does clear it. There is also some wiring there which must be dressed out of the way. Also, the front RF tuning slug is just behind where the lamp is. Drake squeezed things in at several places in the chassis, this is one of them. However, a careful study, perhaps with the aid of magnifying glasses (I need them now) and a strong light will how how things are arranged. It should not be necessary to take anything off to get at the lamp.
Its also possible to take the nuts off the two screws that hold the diffuser in place and slide the diffuser back. However holding the screw heads in place to get the nuts back on is difficult without taking the front panel off. Taking the panel off is not that difficult but you must work in a box to avoid loosing the fiber spacing washers that are between the panel and chassis under the mounting screws. And, of course, all the knobs must come off. I have had to do this a couple of times, for instance to replace the neon VFO indicator lamp (actually, I found it can be done with the panel in place by removing the tuning knob).
On the R4B, the meter lamp is also mounted on a bracket fastened to a tab on the meter diffuser but it slides out sideways and is a lot easier to get to.
I changed all the #47 lamps in both my Drakes and in many other rigs that use them to #557 long life lamps. Not quite as bright but are rated at 20,000 hours.

On 1/18/2018 2:20 PM, Barry wrote:
> Sorry - something caused a premature send of that last email.
>
> Replying directly as my Drake posts seem flaky lately.
>
> I don't have a T4-XB but I think I see what you mean. The lamp holder sits on a little "shelf" (at least it appears that way) and you can't slide the holder off the shelf due to clearances and you can't get to the lamp as it sits either.
>
> http://www.wb4hfn.com/Services/WB4HFN/Examples/T4XB/T4XB-04.jpg
>
> Thanks,

> Barry - N4BUQ

--
Richard Knoppow
1oldlens1@...
WB6KBL

42662. Re: [DrakeRadio] L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 06:15:48 UTC
From: elespe@...
Topic: 42635 Message: 42662

I can send you the parts list later this weekend
Please take a look at my ES4L4B module available from Harbach. It does a marvelous job and the only one you need.
PLEASE avoid using solid state relays to step start or control inductive loads. If you need / want the technical reasons why they aren't a good idea I can do that or read the datq on the GORDOS website.
PLEASE do not fiddle with the magic parasitic suppressors. Another BAD idea. Learn what the professional engineer designer W8JI says.
If you don't believe me then let me tell you about this bridge I have for sale in Brooklyn.
Paul K0UYA
> Hi Paul,
>
> Were you sending me your parts list? I'd love to have it even though it's
> meager.
>
>
> I'm in the process of drawing the L-4B schematic into Visio and plan to
> include as many part descriptions as I can put my hands on. Mine has had
> a couple mod's--the W7RY boards, vacuum relay, etc., in addition to the
> tapered top chimneys, non-stock parasitic chokes and tube plate caps.
>
>
> My plan is to get the schematic drawn and parts list nailed down using
> the original configurations, then create a second schematic and parts
> list reflecting the mod's I intend to save. In general, the W7RY mods
> only. I also intend to install a step-start system that includes solid
> state relays to control the switch from CW/Tune to SSB mode to remove all
> the AC voltages from those unobtanium rocker switches.
>
>
> Anyway, any information I can collect (I have all the W7RY stuff) on the
> original amplifier configuration will be of value in my ongoing quest.
>
>
> Thanks so much for your help, Paul!
>
>
> Mike
>
>
> W7KWQ
>
>
>

>
>

42663. Re: [DrakeRadio] L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 06:18:00 UTC
From: elespe@...
Topic: 42635 Message: 42663

Or you can install the ES4L4B module available from Harbach
I should know, I designed it and build them.
Paul K0UYA
> On 1/18/2018 10:04 PM, aw1929@... [DrakeRadio] wrote:
>
>> I also intend to install a step-start system that includes solid state
>> relays to control the switch from CW/Tune to SSB mode to remove all
>> the AC voltages from those unobtanium rocker switches.
>
> You can buy the replacement parts to repair the switches
> https://www.ebay.com/itm/RL-Drake-L-4B-L-7-L-75-Amplifier-Replacement-Power-CW-SSB-Switch-Assembly/360569348651?hash=item53f39ba22b:g:xooAAMXQAx9RVHC~
>
> Turning the amp on with it set to SSB seems to be what shortens the life
> of the switches. I got a spare replacement switch kit for my L-4B just
> in case I need it.
>
>
> 73
>
> Stan
> KM4HQE
>
>
>
>

42664. Re: [DrakeRadio] i need 80m and 40m t4x crystals and were is a good place to hook up digital frequency counter on T4w thanks vk2mu Ron

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 08:51:46 UTC
From: Ron Hawkins
Topic: 42657 Message: 42664

Thank you for the quick reply I need the 80m 14.6 and the 40m 18.1 crystal ok on the frequency counter I have has the if subtracted 5645 and it reeds the working crystals minus the if I rectified the bulb circuit and regulated with a switch mode to 9volt I love my drakes but people say you are a few cycles off year well my tr3 is favorite thanks Ron

---
From: MadScientist <dukeshifi@...>
Sent: Friday, 19 January 2018 3:15 PM
To: WB6TNF handyjimbo@... [DrakeRadio]; Ron Hawkins
Subject: Re: [DrakeRadio] i need 80m and 40m t4x crystals and were is a good place to hook up digital frequency counter on T4w thanks vk2mu Ron

Please post frequencies of the crystals.

The best place for a counter is in the premix line. You will need to use a programmable preload counter so you can subtract out the IF.

The only other way is to use a counter that monitors the frequency of the transmitter output RF.

I have one off these for sale but they are of limited use for SSB because you need a steady carrier (Tune, CW or AM) to get a reading.

Gary

On Jan 18, 2018, at 9:00 PM, Ron Hawkins ronhawk@...<mailto:ronhawk@...> [DrakeRadio] <DrakeRadio@yahoogroups.com<mailto:DrakeRadio@yahoogroups.com>> wrote:

42665. Re: [DrakeRadio] L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 14:39:50 UTC
From: Michael Cooley
Topic: 42635 Message: 42665
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Stan/Paul,
Thank you both so much for all the information!! I've already purchased one of those switch rebuild kits (my switches are functioning fine--just insurance for the future).
As for the suppressors, I'd like to clarify that a little: the ones that are presently in my amp are a single half-loop of wire with two resistors across it. Has solder lugs at each end to facilitate connections to that plate choke/tube cap connectors. The tube cap connectors are taller (have three circular ribs--see the attached photo). Are you saying I should leave the suppressors alone? I've made copies of the original design using copper strap with the three 15 Ohm resistors, I just have not installed them as yet. Which is the preferable choice?
I've read about the solid state relays...if I understand it correctly, their use with inductive loads has to do with the "zero crossing" detector and the inrush current in the primary of the transformers at start up. Is that why you're recommending I NOT use them? I was wondering about that. My real impetus for the use of the relays is to remove the 120V AC from the switch contacts (particularly with the primary AC switching arrangement). I'm wanting to use a lower voltage, low current DC control voltage to do both the start up and TUNE/CW to SSB transition. I always start the amp in the TUNE mode, by the way.
The step start system is just good engineering practice, I think, for all the reasons ususally cited for that.
I've looked at your board, Paul, and was arguing with myself about getting one, actually. The only reason I've not done that is because the amp has the W7RY boards already which take care of all but the step/start issue as I'm sure you already know. I've not seen a schematic of your board and was not certain if it would address the primary AC on the switches. However, both you and Stan apparently think that the AC presence itself is not necessarily an issue, so maybe I'm over-thinking this part! I tend to do that sort of thing. Is your board available just as the un-stuffed PCB, Paul?
Having been in the broadcast engineering business most of my life, I have quite a collection of components and tools. I design and either handwire or have PCB's made for lots of silly stuff that's useful in the construction of studio and transmitter facilities so I've amassed boxes and those plastic drawer cabinets full of all sorts of components for those purposes. Anytime I have a chance to get rid of some in a useful way I like to do that! :-)
Anyhow, thank you both again for your advice...this being my first L-4 you're certainly the more experienced and knowledgeable so I appreciate all your insight!!
MikeW7KWQ

On Thursday, January 18, 2018 10:18 PM, "elespe@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

  Or you can install the ES4L4B module available from Harbach
I should know, I designed it and build them.
Paul K0UYA
> On 1/18/2018 10:04 PM, aw1929@... [DrakeRadio] wrote:
>

>> I also intend to install a step-start system that includes solid state
>> relays to control the switch from CW/Tune to SSB mode to remove all
>> the AC voltages from those unobtanium rocker switches.
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> You can buy the replacement parts to repair the switches
> https://www.ebay.com/itm/RL-Drake-L-4B-L-7-L-75-Amplifier-Replacement-Power-CW-SSB-Switch-Assembly/360569348651?hash=item53f39ba22b:g:xooAAMXQAx9RVHC~
>
> Turning the amp on with it set to SSB seems to be what shortens the life
> of the switches.Â I got a spare replacement switch kit for my L-4B just
> in case I need it.
>
>
> 73
>
> Stan
> KM4HQE
>
>
>
>

42666. Re: [DrakeRadio] L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 14:58:31 UTC
From: Jim Warner
Topic: 42635 Message: 42666

Those of us who are on metered connections and have no interest in this topic just ate 10mB of data. Please upload pictures and files to the group directory. We'll look if we have an interest.
Thanks.

On 1/19/2018 8:39 AM, Michael Cooley aw1929@... [DrakeRadio] wrote:
> Hi Stan/Paul,
>
> Thank you both so much for all the information!! I've already purchased
> one of those switch rebuild kits (my switches are functioning fine--just
> insurance for the future).
>
> As for the suppressors, I'd like to clarify that a little: the ones that
> are presently in my amp are a single half-loop of wire with two
> resistors across it. Has solder lugs at each end to facilitate
> connections to that plate choke/tube cap connectors. The tube cap
> connectors are taller (have three circular ribs--see the attached
> photo). Are you saying I should leave the suppressors alone? I've made
> copies of the original design using copper strap with the three 15 Ohm
> resistors, I just have not installed them as yet. Which is the
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> their use with inductive loads has to do with the "zero crossing"
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> start up. Is that why you're recommending I NOT use them? I was
> wondering about that. My real impetus for the use of the relays is to
> remove the 120V AC from the switch contacts (particularly with the
> primary AC switching arrangement). I'm wanting to use a lower voltage,
> low current DC control voltage to do both the start up and TUNE/CW to
> SSB transition. I always start the amp in the TUNE mode, by the way.
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> Having been in the broadcast engineering business most of my life, I
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> construction of studio and transmitter facilities so I've amassed boxes
> and those plastic drawer cabinets full of all sorts of components for
> those purposes. Anytime I have a chance to get rid of some in a useful
> way I like to do that! :-)
>
> Anyhow, thank you both again for your advice...this being my first L-4
> you're certainly the more experienced and knowledgeable so I appreciate
> all your insight!!
>
> Mike
> W7KWQ
>
>
> On Thursday, January 18, 2018 10:18 PM, "elespe@... [DrakeRadio]"
> <DrakeRadio@yahoogroups.com> wrote:
>
>
> Or you can install the ES4L4B module available from Harbach
> I should know, I designed it and build them.
> Paul K0UYA
> > On 1/18/2018 10:04 PM, aw1929@... [DrakeRadio] wrote:
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42667. Re: [DrakeRadio] L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-19 15:48:26 UTC
From: Evan
Topic: 42635 Message: 42667

Fellow enthusiasts,

Hard to know the good and bad of various issues from a theoretical perspective so I'll just pass along some seat of the pants thoughts and experiences.

As to the parasitic suppressors, I'm not sure how "bad" the originals are to the extent they warrant "improvement". In over 40 years of owning L4s, L4Bs, L75, and L7 liners, and servicing them for others, I've never had any failures that even remotely resembled a parasitic oscillation. To me, perfect is the enemy of good enough.

As to plate caps, I believe the originals are fine. Here again, I've not had any seal/tube failures. My thought is that the vertical fin design is suited for forced air cooling where the air is moving primarily upward, like in the L4 and L4B, while the horizontal fin style is suited for horizontal air cooling, maybe the L7 where the air is pulled from below but exits horizontally out the rear; but even the L7 uses the vertical fin design. Not sure this is a major issue.

In terms of step start circuits, or the unmodified design in the Drake linears, I had a conversation with one of the engineers at Drake and discussed that very topic. For the DC circuits, I was told that the DC resistance of the HV transformer is so high that it limits the inrush current through the diodes and to the electrolytic capacitors. Here again, I've not had any failures at "power onset". As to the tube filaments, that is yet another issue that I did not discuss with that engineer. In my amps, however, I inserted some thermistors in the primary leads of the HV and filament transformers in my amps. This might be overkill since, again, I've never had a power onset failure. Everything has a lifespan and the switches in the linear are no exceptions. In one amp I was servicing, it warranted a rebuild of the power switch due to intermittent operation. Not a major operation but I decided to use a remote on/off switch for my amps, "just in case"; the style I use is the MFJ/Ameritron ICP-240 and, in spite of the ads, it isn't really a "step start" since the "delay" is only a fraction of a single AC cycle, hardly enough to get the electrolytics fully charged and the filaments up to temperature. If one does decide to add the complexity of a solid state relay, it should have both the current handling capability AND the ability to handle the inductive spikes. I believe W8ZR wrote an article about using such a switching scheme and it probably cites the solid state relay part number used.

The above are merely my thoughts and practical experiences. I'm sure the experts weigh in regarding what is best in a pure sense, versus what is acceptable in a practical sense. Personal preference can guide each one of us in terms of what is best for our particular installations.

Enjoy those Drakes!

73,

Evan, K9SQG

-----Original Message-----
From: Michael Cooley aw1929@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Stan Gammons <s_gammons@...>; elespe <elespe@...>
Sent: Fri, Jan 19, 2018 9:40 am
Subject: Re: [DrakeRadio] L-4B Parts List

Hi Stan/Paul,

Thank you both so much for all the information!! I've already purchased one of those switch rebuild kits (my switches are functioning fine--just insurance for the future).

As for the suppressors, I'd like to clarify that a little: the ones that are presently in my amp are a single half-loop of wire with two resistors across it. Has solder lugs at each end to facilitate connections to that plate choke/tube cap connectors. The tube cap connectors are taller (have three circular ribs--see the attached photo). Are you saying I should leave the suppressors alone? I've made copies of the original design using copper strap with the three 15 Ohm resistors, I just have not installed them as yet. Which is the preferable choice?

I've read about the solid state relays...if I understand it correctly, their use with inductive loads has to do with the "zero crossing" detector and the inrush current in the primary of the transformers at start up. Is that why you're recommending I NOT use them? I was wondering about that. My real impetus for the use of the relays is to remove the 120V AC from the switch contacts (particularly with the primary AC switching arrangement). I'm wanting to use a lower voltage, low current DC control voltage to do both the start up and TUNE/CW to SSB transition. I always start the amp in the TUNE mode, by the way.

The step start system is just good engineering practice, I think, for all the reasons ususally cited for that.

I've looked at your board, Paul, and was arguing with myself about getting one, actually. The only reason I've not done that is because the amp has the W7RY boards already which take care of all but the step/start issue as I'm sure you already know. I've not seen a schematic of your board and was not certain if it would address the primary AC on the switches. However, both you and Stan apparently think that the AC presence itself is not necessarily an issue, so maybe I'm over-thinking this part! I tend to do that sort of thing. Is your board available just as the un-stuffed PCB, Paul?

Having been in the broadcast engineering business most of my life, I have quite a collection of components and tools. I design and either handwire or have PCB's made for lots of silly stuff that's useful in the construction of studio and transmitter facilities so I've amassed boxes and those plastic drawer cabinets full of all sorts of components for those purposes. Anytime I have a chance to get rid of some in a useful way I like to do that! :-)

Anyhow, thank you both again for your advice...this being my first L-4 you're certainly the more experienced and knowledgeable so I appreciate all your insight!!

Mike
W7KWQ

On Thursday, January 18, 2018 10:18 PM, "elespe@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

Or you can install the ES4L4B module available from Harbach
I should know, I designed it and build them.
Paul K0UYA
> On 1/18/2018 10:04 PM, aw1929@... [DrakeRadio] wrote:
>
>> I also intend to install a step-start system that includes solid state
>> relays to control the switch from CW/Tune to SSB mode to remove all
>> the AC voltages from those unobtanium rocker switches.
>
> You can buy the replacement parts to repair the switches
> https://www.ebay.com/itm/RL-Drake-L-4B-L-7-L-75-Amplifier-Replacement-Power-CW-SSB-Switch-Assembly/360569348651?hash=item53f39ba22b:g:xooAAMXQAx9RVHC~
>
> Turning the amp on with it set to SSB seems to be what shortens the life
> of the switches.Â I got a spare replacement switch kit for my L-4B just
> in case I need it.
>
>
> 73
>
> Stan
> KM4HQE
>
>
>
>

42668. Re: [DrakeRadio] L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 02:18:43 UTC
From: Stan Gammons
Topic: 42635 Message: 42668

On 1/19/2018 9:00 AM, Doug Coffman wrote:
>
> It appears that one of the filament choke plastic mounts is missing
> and one is broken. I would address that for sure.

Seems like someone mentioned a fix for the filament choke plastic mounts a while back, but I don't recall what that was. Does Mouser or McMaster-Carr have something that will work?

73

Stan
KM4HQE

42669. Re: [DrakeRadio] L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 03:15:55 UTC
From: Doug Coffman
Topic: 42635 Message: 42669

You would have to surf the postings but the part numbers have been posted somewhere. I think WB4HFN has a reference as well. They’re nothing more than plastic cable clamps.

Doug - N9XTF

Sent from my iPhone

> On Jan 19, 2018, at 21:18, Stan Gammons <s_gammons@...> wrote:
>
>> On 1/19/2018 9:00 AM, Doug Coffman wrote:
>>
>> It appears that one of the filament choke plastic mounts is missing and one is broken. I would address that for sure.
>
> Seems like someone mentioned a fix for the filament choke plastic mounts a while back, but I don't recall what that was. Does Mouser or McMaster-Carr have something that will work?
>
> 73
>
> Stan
> KM4HQE
>
>

42670. Drake Rubber Feet inserts:

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 03:26:23 UTC
From: ko4bg1@...
Topic: 42670 Message: 42670

OK I've ask this before several years back and got the WRONG answer but an answer at least! The original Rubber inserts (Tips) WERE NOT these Stick on Piece of crap you see now on everything but had a Tip that actually went into the foot and held in place. On the OLD Drake Forum I remember someone found them at one of the Big Catalog stores (McMasters Car or Granger) does anyone know the part name or # , I would like to order some of them.
Woody

42671. Re: [DrakeRadio] Drake Rubber Feet inserts:

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 03:40:31 UTC
From: Joe Pyles
Topic: 42670 Message: 42671

I still have a few of the original feet that
Drake used and they did not have a tip that went
into the hole for the screw. They were flat on
the bottom just like the ones from McMaster-Carr.
The main difference is that the original bumpers
were made of rubber and the new ones are
polyurethane. Any way the McMaster-Carr part
number is 95495K12 Black 7/16" dia 13/64" high.
They can be found on this page.
https://www.mcmaster.com/#adhesive-back-bumpers/=1b7b7zh

73, Joe Pyles KC9LAD

At 10:26 PM 1/19/2018, you wrote:
>
>
>OK I've ask this before several years back and
>got the WRONG answer but an answer at least!
>
>The original Rubber inserts (Tips) WERE NOT
>these Stick on Piece of crap you see now on
>everything but had a Tip that actually went into
>the foot and held in place. On the OLD Drake
>Forum I remember someone found them at one of
>the Big Catalog stores (McMasters Car or
>Granger) does anyone know the part name or # , I
>would like to order some of them.
>
>Woody
>

This email has been checked for viruses by AVG.
http://www.avg.com

42672. Re: [DrakeRadio] Drake Rubber Feet inserts:

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 03:44:30 UTC
From: MadScientist
Topic: 42670 Message: 42672

I THINK he may have been thinking of the Drake rubber bumper feet that had threaded studs molded into them. These were used on many Drake pieces. I think they were 6032.

Every other Drake rubber bumper I have seen was flat on the side facing the plastic foot.

> On Jan 19, 2018, at 9:40 PM, Joe Pyles epyles@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> polyurethane

42673. TR-4c audio transformer specs

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 04:15:57 UTC
From: michaeldotc@...
Topic: 42673 Message: 42673

Hello All,
Anyone know the specs for the Audio transformer (T-15) on a TR-4c?
My TR-4c has a transformer in it that is larger than the stock transformer. Someone has obviously replaced the original.
Hammond has audio transformers and so does Vintage Electronics. I just don't know which one to buy.

Or if anyone has one they want to part with let me know.

Michael

42674. Re: [DrakeRadio] L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 04:59:04 UTC
From: Evan
Topic: 42635 Message: 42674

Fellow Drake enthusiasts,

Not sure the filament choke straps are all that important. I'm not sure if they are even used in the L7. Virtually every L4B I have owned or serviced had both those straps broken with no adverse effects, mechanically or electrically. I have replaced them on occasion by "pre-bending" them prior to installation. Too, there are some nylon, plastic, etc. styles of cable clamps that work just as well but are not original, for the purist.

73,

Evan, K9SQG

-----Original Message-----
From: Stan Gammons s_gammons@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: Doug Coffman <dj_coffman@...>; DrakeRadio <DrakeRadio@yahoogroups.com>; Michael Cooley <aw1929@...>
Cc: elespe <elespe@...>
Sent: Fri, Jan 19, 2018 9:19 pm
Subject: Re: [DrakeRadio] L-4B Parts List

On 1/19/2018 9:00 AM, Doug Coffman wrote:
>
> It appears that one of the filament choke plastic mounts is missing
> and one is broken. I would address that for sure.

Seems like someone mentioned a fix for the filament choke plastic mounts
a while back, but I don't recall what that was. Does Mouser or
McMaster-Carr have something that will work?

73

Stan
KM4HQE

42675. Re: [DrakeRadio] L-4B Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 05:02:17 UTC
From: Michael Cooley
Topic: 42635 Message: 42675

That's something I'm going to deal with in my amp just for cosmetic reasons if nothing else. I'm actually planning to machine a white delrin block that will be attached to the chassis...
MikeW7KWQ

On Friday, January 19, 2018 8:59 PM, "Evan k9sqg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

  Fellow Drake enthusiasts,
Not sure the filament choke straps are all that important. I'm not sure if they are even used in the L7. Virtually every L4B I have owned or serviced had both those straps broken with no adverse effects, mechanically or electrically. I have replaced them on occasion by "pre-bending" them prior to installation. Too, there are some nylon, plastic, etc. styles of cable clamps that work just as well but are not original, for the purist.
73,
Evan, K9SQG

-----Original Message-----
From: Stan Gammons s_gammons@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: Doug Coffman <dj_coffman@yahoo.com>; DrakeRadio <DrakeRadio@yahoogroups.com>; Michael Cooley <aw1929@yahoo.com>
Cc: elespe <elespe@...>
Sent: Fri, Jan 19, 2018 9:19 pm
Subject: Re: [DrakeRadio] L-4B Parts List

  On 1/19/2018 9:00 AM, Doug Coffman wrote:
>
> It appears that one of the filament choke plastic mounts is missing
> and one is broken. I would address that for sure.

Seems like someone mentioned a fix for the filament choke plastic mounts
a while back, but I don't recall what that was. Does Mouser or
McMaster-Carr have something that will work?

73

Stan
KM4HQE

42676. Re: [DrakeRadio] i need 80m and 40m t4x crystals and were is a good place to hook up digital frequency counter on T4w thanks vk2mu Ron

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 05:08:06 UTC
From: Jim Shorney
Topic: 42657 Message: 42676

On Fri, 19 Jan 2018 08:51:46 +0000, Ron Hawkins ronhawk@...
[DrakeRadio] wrote:

> love my drakes but people say you are a few cycles off.

And that is a misguided comment. Absolute frequency is irrelevant. We have variable frequency oscillators so we can fine tune signals as needed. Ham radio is not channelized (60 Meters being the exception).

73

-Jim
NU0C

--

"Good men don?t need rules. Today is not the day to find out why I have so many." - Doctor Who

42677. Re: [DrakeRadio] TR-4c audio transformer specs

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 06:33:38 UTC
From: Bill Houghton
Topic: 42673 Message: 42677

Hi Michael,
I have a TR-3 that I have been thinking about parting out. It might use the same audio transformer. I will have to take a look at the manuals. If it is the same as in the TR-4C, would you be interested?
73,
Bill, WA6NEQ

From: "michaeldotc@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com
Sent: Friday, January 19, 2018 8:16 PM
Subject: [DrakeRadio] TR-4c audio transformer specs

Hello All,Anyone know the specs for the Audio transformer (T-15) on a TR-4c?My TR-4c has a transformer in it that is larger than the stock transformer. Someone has obviously replaced the original. Hammond has audio transformers and so does Vintage Electronics. I just don't know which one to buy.
Or if anyone has one they want to part with let me know.
Michael

42678. Re: [DrakeRadio] Re: Drake 2B Crystal Calibrator Solution on eBay & Digital Display Progress

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 11:15:26 UTC
From: alan victor
Topic: 42566 Message: 42678

I mentioned the approach I used to the Collins CCA folks awhile back.
Digging into a receiver to add a calibrate function is fine but seems likean exercise that is less than ideal if not plug n' play. I have several receiverssome homebrew and others BA like the 2A and B. So I built one xtal cal functionfrom a 100 MHz OCTCXO found in a junk box, divide it down to 100 KHz
and ran it to a pulse amplifier and a short antenna loop. Spray it around the shack and now have a cal for all Rx units in the shack. Just a thought. Alan

On Wednesday, January 17, 2018 7:29 PM, "'Jim Shorney' jshorney@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

> On 17 Jan 2018 05:33:18 +0000, paulz67@... [DrakeRadio] wrote:

>
>Thanks to all who chimed in an d more, thanks for the lead on the calibrator module.

Nice to see you tinkering with Drakes again, Paul.

73

-Jim
NU0C

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"

42679. DDS for the C Line

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 12:10:42 UTC
From: Fernando
Topic: 42679 Message: 42679

Hello gang

I have recently acquired a nice DDS for the C line, and I am curious to know what else is out there, DDS-wise, and what the experience of owners may have been like so far. I haven't tested extensively yet, but the preliminary results are just astoundingly good, though CW operation is not really self-evident (to do that I need to set the TX and the RX to LSB, and I need to set a certain RIT value in the DDS). Very nice anyway.

Here is a little video I shot of the DDS (English subtitles can be activated):

https://www.youtube.com/watch?v=w1HKSVDiBxY&t=209s

73

Fernando
EA4BB

42680. Re: [DrakeRadio] DDS for the C Line

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 16:08:50 UTC
From: john
Topic: 42679 Message: 42680

Very nice, Fernardo.

Looks just like it was made from the factory that way.

Best 73
John K5MO

On 1/20/2018 7:10 AM, Fernando elfasher@... [DrakeRadio] wrote:
> Hello gang
>
> I have recently acquired a nice DDS for the C line, and I am curious to know what else is out there, DDS-wise, and what the experience of owners may have been like so far. I haven't tested extensively yet, but the preliminary results are just astoundingly good, though CW operation is not really self-evident (to do that I need to set the TX and the RX to LSB, and I need to set a certain RIT value in the DDS). Very nice anyway.
>
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>
> https://www.youtube.com/watch?v=w1HKSVDiBxY&t=209s
>
> 73
>
> Fernando
> EA4BB
>
>
>
> ------------------------------------
> Posted by: Fernando <elfasher@...>
> ------------------------------------
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>
> Yahoo Groups Links
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III

42681. Adaptor for Drake mike plugs

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 16:14:43 UTC
From: Joseph Trombino, Jr
Topic: 42681 Message: 42681

Howdy Fellow Drakesters.

I want to hook up a mike with a 3.5mm stereo plug to a Drake rig that requires a 3/16" stereo plug.

So, I need an adaptor with a female 3.5mm stereo jack on one end to a 3/16” male stereo plug on the other end.

I have 3.5mm to 1/4” adaptors but nothing for the 3/16” that Drake requires.

Anyone every seen one of these critters?

Tried Google without success.

Many thanks for any info.

73, Joe W2KJ
C-Line

42682. My L4B

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 17:01:25 UTC
From: <w5sum@...>
Topic: 42682 Message: 42682

Guys I just became the proud father of an L4B. $700 with new Eimac Jugs. Not a bad price I don’t think.

Anywho.. my question to the collective thinking of the group, is this. What mods should I do, if any, or leave it alone.

I did order TWO of the replacement switch guts today, though these seem to be working fine.

Soft Start Board? Upgrade the power supply? etc etc..

what would YOU do if you got your first L4B?

thanks in advance and God bless

Ronnie W5SUM

42683. Re: [DrakeRadio] My L4B

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 17:14:56 UTC
From: KL7AM
Topic: 42682 Message: 42683

Ronnie,

If the Power supply caps haven't been replaced it will need that at a minimum

From: "DrakeRadio" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
Sent: Saturday, January 20, 2018 8:01:25 AM
Subject: [DrakeRadio] My L4B

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Ronnie W5SUM

42684. Re: [DrakeRadio] Adaptor for Drake mike plugs

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 17:37:53 UTC
From: Richard Knoppow
Topic: 42681 Message: 42684

I don't know if there is a one-piece adaptor but its a bad idea anyway because of the strain it puts on the connector. Make an adaptor of a short length of wire with the required plugs on the ends. The mic plugs used on the Drake are not stereo plugs but a type of plug used on aircraft and military microphones. Collins uses the same plug. They are made by Switchcraft and available from the larger suppliers. They may also have the 3.5mm cable sockets.

On 1/20/2018 8:14 AM, 'Joseph Trombino, Jr' jotrom@...
[DrakeRadio] wrote:
> Howdy Fellow Drakesters.
>
> I want to hook up a mike with a 3.5mm stereo plug to a Drake rig that requires a 3/16" stereo plug.
>
> So, I need an adaptor with a female 3.5mm stereo jack on one end to a 3/16? male stereo plug on the other end.
>
> I have 3.5mm to 1/4? adaptors but nothing for the 3/16? that Drake requires.
>
> Anyone every seen one of these critters?
>
> Tried Google without success.
>
> Many thanks for any info.
>
> 73, Joe W2KJ
> C-Line

--
Richard Knoppow
1oldlens1@...
WB6KBL

42685. RE: [DrakeRadio] My L4B

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 17:46:26 UTC
From: Vincent Lanese
Topic: 42682 Message: 42685

Also, soft key…

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Saturday, January 20, 2018 12:15 PM
To: DrakeRadio <DrakeRadio@yahoogroups.com>; w5sum <w5sum@...>
Subject: Re: [DrakeRadio] My L4B

Ronnie,

If the Power supply caps haven't been replaced it will need that at a minimum

---

From: "DrakeRadio" <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com> >
To: "DrakeRadio" <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com> >
Sent: Saturday, January 20, 2018 8:01:25 AM
Subject: [DrakeRadio] My L4B

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what would YOU do if you got your first L4B?

thanks in advance and God bless

Ronnie W5SUM

42686. Re: [DrakeRadio] My L4B

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 17:50:02 UTC
From: Evan
Topic: 42682 Message: 42686

Ronnie,

Well, if it were me, what I typically do is...

BE CAREFUL.
Make a complete visual inspection (grid chokes, resistors, etc.)
Lubricate the blower bearings.
Remove dust and dirt.
Apply DeOxit sparingly to switch, connector, and relay contacts, and ALC pot.
Replace the pilot lamps.
Check calibration of grid current and plate voltage metering circuits.
Rebuild power supply (all caps, diodes, and resistors).
Ensure a fan is available for the power supply.
Install a UKA-3 adaptor for the PTT line.
Adjust input coils for lowest SWR on respective bands.

As far as other issues are concerned, you can check out the articles on the WB4HFN website, as well as the links to the various Drake Forums at Hamvention that addressed the L4B linear.

That seems like a fair or even low price given that the tubes are new.

73,

Evan, K9SQG

-----Original Message-----
From: w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Sat, Jan 20, 2018 12:01 pm
Subject: [DrakeRadio] My L4B

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what would YOU do if you got your first L4B?

thanks in advance and God bless

Ronnie W5SUM

42687. Re: [DrakeRadio] TR-4c audio transformer specs

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 18:03:21 UTC
From: Michael
Topic: 42673 Message: 42687

I have been trying to find info on the TR-3 audio transformer but have not had any luck. Does anyone know if these are interchangeable?

If the transformer from a TR-3 is the same, or will work, yes I am interested.

On ☐Saturday☐, ☐January☐ ☐20☐, ☐2018☐ ☐12☐:☐37☐:☐02☐ ☐AM, Bill Houghton rdrbill@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Hi Michael,
I have a TR-3 that I have been thinking about parting out. It might use the same audio transformer. I will have to take a look at the manuals. If it is the same as in the TR-4C, would you be interested?
73,
Bill, WA6NEQ

From: "michaeldotc@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com
Sent: Friday, January 19, 2018 8:16 PM
Subject: [DrakeRadio] TR-4c audio transformer specs

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Or if anyone has one they want to part with let me know.
Michael

42688. Re: [DrakeRadio] Adaptor for Drake mike plugs

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 18:06:14 UTC
From: MadScientist
Topic: 42681 Message: 42688

As stated, this is a ,military connector.

It is known as a PJ-068.

I have many of these. I think I even have some right angle ones.

My question is, unless the mike is a precious collectable, why would you not just cut off the 3.5 mm connector and directly solder it’s wired to a PJ-068 plug?

Gary

> On Jan 20, 2018, at 11:37 AM, Richard Knoppow 1oldlens1@...tcom.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I don't know if there is a one-piece adaptor but its a bad idea
> anyway because of the strain it puts on the connector. Make an adaptor
> of a short length of wire with the required plugs on the ends. The mic
> plugs used on the Drake are not stereo plugs but a type of plug used on
> aircraft and military microphones. Collins uses the same plug. They are
> made by Switchcraft and available from the larger suppliers. They may
> also have the 3.5mm cable sockets.
>
> On 1/20/2018 8:14 AM, 'Joseph Trombino, Jr' jotrom@bellsouth.net
> [DrakeRadio] wrote:
>> Howdy Fellow Drakesters.
>>
>> I want to hook up a mike with a 3.5mm stereo plug to a Drake rig that requires a 3/16" stereo plug.
>>
>> So, I need an adaptor with a female 3.5mm stereo jack on one end to a 3/16” male stereo plug on the other end.
>>
>> I have 3.5mm to 1/4” adaptors but nothing for the 3/16” that Drake requires.
>>
>> Anyone every seen one of these critters?
>>
>> Tried Google without success.
>>
>> Many thanks for any info.
>>
>> 73, Joe W2KJ
>> C-Line
>
>
> --
> Richard Knoppow

> 1oldlens1@...om.com
> WB6KBL
>
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>
> Yahoo Groups Links
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42689. Re: [DrakeRadio] TR-4c audio transformer specs

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 18:07:31 UTC
From: MadScientist
Topic: 42673 Message: 42689

These transformers would be the same.

Drake did not change anything they did not NEED to change when they introduced the TR4 as a replacement for the TR3.

Gary

> On Jan 20, 2018, at 12:03 PM, Michael michaeldotc@...m [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> I have been trying to find info on the TR-3 audio transformer but have not had any luck. Does anyone know if these are interchangeable?
>
> If the transformer from a TR-3 is the same, or will work, yes I am interested.
>
>
>
> On ☐Saturday☐, ☐January☐ ☐20☐, ☐2018☐ ☐12☐:☐37☐:☐02☐ ☐AM, Bill Houghton rdrbill@... <mailto:rdrbill@pacbell.net> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>
>
>
> Hi Michael,
>
> I have a TR-3 that I have been thinking about parting out. It might use the same audio transformer. I will have to take a look at the manuals. If it is the same as in the TR-4C, would you be interested?
>
> 73,
>
> Bill, WA6NEQ
>
>
> From: "michaeldotc@... <mailto:michaeldotc@...> [DrakeRadio]" <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
> To: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
> Sent: Friday, January 19, 2018 8:16 PM
> Subject: [DrakeRadio] TR-4c audio transformer specs
>
>
> Hello All,
> Anyone know the specs for the Audio transformer (T-15) on a TR-4c?
> My TR-4c has a transformer in it that is larger than the stock transformer. Someone has obviously replaced the original.

> Hammond has audio transformers and so does Vintage Electronics. I just don't know which one to buy.
>
> Or if anyone has one they want to part with let me know.
>
> Michael
>
>
>
>
>

42690. Re: [DrakeRadio] TR-4c audio transformer specs

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 18:28:09 UTC
From: Bob Loving
Topic: 42673 Message: 42690

Michael, why do you want to replace the larger transformer? It probably produces less distortion than the original Drake specified unit. This is where Richard Knoppow should chime in. Richard?
73,Bob K9JU

On Saturday, January 20, 2018 1:03 PM, "Michael michaeldotc@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

I have been trying to find info on the TR-3 audio transformer but have not had any luck. Does anyone know if these are interchangeable?

If the transformer from a TR-3 is the same, or will work, yes I am interested.

On ☐Saturday☐, ☐January☐ ☐20☐, ☐2018☐ ☐12☐:☐37☐:☐02☐ ☐AM, Bill Houghton rdrbill@... [DrakeRadio] <DrakeRadio@...m> wrote:

Hi Michael,
I have a TR-3 that I have been thinking about parting out. It might use the same audio transformer. I will have to take a look at the manuals. If it is the same as in the TR-4C, would you be interested?
73,
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From: "michaeldotc@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
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Or if anyone has one they want to part with let me know.
Michael

42691. Re: Drake (and other) front panel direct printing

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 18:57:40 UTC
From: Max Cotton
Topic: 42231 Message: 42691

L7 front panels here : 202100113698 accurate reproduction.

73 Max M0GHQ

42692. RE: [DrakeRadio] Re: Drake (and other) front panel direct printing

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 20:28:28 UTC
From: Joe
Topic: 42231 Message: 42692

That is an eBay Auction/sales number.

Just a reminder to all our readers here: Please make sure you tell *WHERE*
any info you are passing along, is located!

Thanks!!

Joe - W7RKN

Moderator

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Re: Drake (and other) front panel direct printing

L7 front panels here : 202100113698 accurate reproduction.

73 Max M0GHQ

42693. RE: [DrakeRadio] Re: Drake (and other) front panel direct printing

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 20:33:43 UTC
From: Roger VE7LB
Topic: 42231 Message: 42693

I can't get a hit using both Worldwide and Europe as locations in an eBay search. Where is the item located?

73 Roger VE7LB

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Saturday, January 20, 2018 12:28 PM
To: DrakeRadio@yahoogroups.com; 'Max Cotton' <m0ghq@...>
Subject: RE: [DrakeRadio] Re: Drake (and other) front panel direct printing

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Just a reminder to all our readers here: Please make sure you tell *WHERE* any info you are passing along, is located!

Thanks!!

Joe - W7RKN

Moderator

From: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com> [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Re: Drake (and other) front panel direct printing

L7 front panels here : 202100113698 accurate reproduction.

73 Max M0GHQ

42694. RE: [DrakeRadio] Re: Drake (and other) front panel direct printing

Yahoo group: DrakeRadio (2018)
Date: 2018-01-20 20:42:48 UTC
From: Roger VE7LB
Topic: 42231 Message: 42694

Finally got to it using a UK search. They look good and have 10 meters.

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Saturday, January 20, 2018 12:34 PM
To: DrakeRadio@yahoogroups.com; 'Joe' <w7rkn.7@...>
Subject: RE: [DrakeRadio] Re: Drake (and other) front panel direct printing

I can't get a hit using both Worldwide and Europe as locations in an eBay
search. Where is the item located?

73 Roger VE7LB

From: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
[mailto:DrakeRadio@yahoogroups.com]
Sent: Saturday, January 20, 2018 12:28 PM
To: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com> ; 'Max
Cotton' <m0ghq@... <mailto:m0ghq@...> >
Subject: RE: [DrakeRadio] Re: Drake (and other) front panel direct printing

That is an eBay Auction/sales number.

Just a reminder to all our readers here: Please make sure you tell *WHERE*
any info you are passing along, is located!

Thanks!!

Joe - W7RKN

Moderator

From: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
[mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Re: Drake (and other) front panel direct printing

L7 front panels here : 202100113698 accurate reproduction.

73 Max M0GHQ

42696. relay in T4XB

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 01:10:08 UTC
From: <w2ssx@...>
Topic: 42696 Message: 42696

I need to replace the relay in my T4XB. Is there an easy way,that I’m nor aware of, or do I have to disassemble the entire final amp section.
Appreciate any advice. Richard ,W2SSX

42697. Re: [DrakeRadio] relay in T4XB

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 01:15:49 UTC
From: Ronnie Hull
Topic: 42696 Message: 42697

Buy the replacement relay/pcboard from Harbach and get ready to devote an entire Saturday putting it in

Sent from my iPhone

> On Jan 20, 2018, at 7:10 PM, w2ssx@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I need to replace the relay in my T4XB. Is there an easy way,that I’m nor aware of, or do I have to disassemble the entire final amp section.
> Appreciate any advice. Richard ,W2SSX
>

42698. Re: [DrakeRadio] relay in T4XB

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 02:35:50 UTC
From: Steve Wedge
Topic: 42696 Message: 42698

It’s rather a pain, I’m afraid.

I’ve heard on here that there’s a kit that adds a socket so that relays then become plug-in items. Can’t remember the post...

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Jan 20, 2018, at 20:10, w2ssx@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I need to replace the relay in my T4XB. Is there an easy way,that I’m nor aware of, or do I have to disassemble the entire final amp section.
> Appreciate any advice. Richard ,W2SSX
>

42699. Re: [DrakeRadio] TR-4c audio transformer specs

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 07:21:24 UTC
From: Luis Carrera
Topic: 42673 Message: 42699

Hello Michael
These are the specifications found on the label of a TR-4c audio transformer that I am repairing, luckily it still retains the label after so many years. A-3877 5w OutputSingle Plate V.C.
Pri. 5 Kohms 40 Ma. DC MaxSec. 4 ohmsChicago Standard Transformer
Good Luck

Saludos Muchas Gracias y 73 Dx
YV5JLO
LUIS CARRERA 0416-611.14.00 0426-217.67.26 0212-491.77.82 0212-505.16.90

El Sábado, 20 de enero, 2018 14:07:41, "MadScientist dukeshifi@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> escribió:

These transformers would be the same.
Drake did not change anything they did not NEED to change when they introduced the TR4 as a replacement for the TR3.
Gary

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If the transformer from a TR-3 is the same, or will work, yes I am interested.

On ☐Saturday☐, ☐January☐ ☐20☐, ☐2018☐ ☐12☐:☐37☐:☐02☐ ☐AM, Bill Houghton rdrbill@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

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73,
Bill, WA6NEQ

From: "michaeldotc@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com
Sent: Friday, January 19, 2018 8:16 PM
Subject: [DrakeRadio] TR-4c audio transformer specs

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Or if anyone has one they want to part with let me know.

Michael

42700. Re: [DrakeRadio] My L4B

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 13:52:06 UTC
From: Kc9cdt@...
Topic: 42682 Message: 42700

I would do as I have mine.
1) Harback Softstart/variable bias board
2) Heathkitshop or the other.....Power supply upgrade (First check to see if it has already been done)
3) Use 2 small muffin fans setting over the jugs running at slow speed all the time its on

Use mine regularly, very dependable
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Sat, Jan 20, 2018 12:01 pm
Subject: [DrakeRadio] My L4B

Guys I just became the proud father of an L4B. $700 with new Eimac Jugs. Not a bad price I don’t think.

Anywho.. my question to the collective thinking of the group, is this. What mods should I do, if any, or leave it alone.

I did order TWO of the replacement switch guts today, though these seem to be working fine.

Soft Start Board? Upgrade the power supply? etc etc..

what would YOU do if you got your first L4B?

thanks in advance and God bless

Ronnie W5SUM

42701. Re: [DrakeRadio] relay in T4XB

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 15:00:53 UTC
From: johng101501@...
Topic: 42696 Message: 42701

I just put one of these in last week- it is a 6 hr job. Take your time and do it right, but in the end its worth it , you have to pull the 12 pin connector in the back loose and move it out of the way, Read ahead in the directions and you will be ok. Id hate to do another one but i might just anyway to eliminate this in the future- rarely does one get more patience after 40 lol.

42702. Re: [DrakeRadio] My L4B

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 15:06:47 UTC
From: Dave Edwards
Topic: 42682 Message: 42702

Ronnie.....

I have an L4B also.

I got mine a few years back, and it was in unopened box from Drake.

Never used, but still very old!!

I've done nothing to mine, but I don't use it all that much. I don't think it has been turned on at all in 2017!!

So, as soon as I do some construction on my bench (adding a shelf)...One of my projects will be the capacitor change in the Power supply. (L7e and L75 also!!)

That is all I plan to do. In addition, I usually power it up in CW mode, as the plate voltage is lower.....the thought is this may put less strain on the

On/Off switch. Not that I'm toggling it 7 times a day though!!

....Dave

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> what would YOU do if you got your first L4B?
> thanks in advance and God bless
> Ronnie W5SUM
>

42703. Re: [DrakeRadio] TR-4c audio transformer specs

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 15:56:47 UTC
From: Michael
Topic: 42673 Message: 42703

Fantastic! Thank you Luis!

On Sun, Jan 21, 2018 at 1:21 AM, Luis Carrera yv5jlo@...
[DrakeRadio]<DrakeRadio@yahoogroups.com> wrote:

Hello Michael
These are the specifications found on the label of a TR-4c audio transformer that I am repairing, luckily it still retains the label after so many years. A-3877 5w OutputSingle Plate V.C.
Pri. 5 Kohms 40 Ma. DC MaxSec. 4 ohmsChicago Standard Transformer
Good Luck

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Bill, WA6NEQ

From: "michaeldotc@... [DrakeRadio]" <DrakeRadio@...m>
To: DrakeRadio@yahoogroups.com
Sent: Friday, January 19, 2018 8:16 PM
Subject: [DrakeRadio] TR-4c audio transformer specs

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Or if anyone has one they want to part with let me know.
Michael

42704. Re: [DrakeRadio] My L4B

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 16:05:54 UTC
From: Evan
Topic: 42682 Message: 42704

And don't forget to change the 5K 7 watt "bleeder/ALC" resistor on the underside of the supply to something of a higher wattage. When that puppy fails, it takes out the ALC pot.

73,

Evan, K9SQG

-----Original Message-----
From: Dave Edwards kd2e@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; w5sum <w5sum@...>
Sent: Sun, Jan 21, 2018 10:06 am
Subject: Re: [DrakeRadio] My L4B

Ronnie.....

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I got mine a few years back, and it was in unopened box from Drake.

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So, as soon as I do some construction on my bench (adding a shelf)...One of my projects will be the capacitor change in the Power supply. (L7e and L75 also!!)

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Soft Start Board? Upgrade the power supply? etc etc..

what would YOU do if you got your first L4B?

thanks in advance and God bless

Ronnie W5SUM

42705. Transverter

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 16:44:36 UTC
From: oz4vw@...
Topic: 42705 Message: 42705

Hello to all
Came across a Transverter set for Drake
Not much info on the net and no info with the set
Any idea about where to find
And any idea about price for this

Br Arne OZ4VW

42706. Krylon Spray Paint for Drake Cabinets

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 16:45:58 UTC
From: Bob Maser
Topic: 42706 Message: 42706

Can someone tell me which spray paint I should use to repaint my TR4CW cabinet. I need the ID for the
primer and the finish coat.
Thanks, Bob W6TR

42707. Re: [DrakeRadio] TR-4c audio transformer specs

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 16:48:43 UTC
From: Richard Knoppow
Topic: 42673 Message: 42707

Interesting, thank you.
The primary impedance, 5K, is typical for transformers made for single pentode or beam amplfiers. If you look up the tube data it usually gives "typical" operating conditions for Class A amplifiers and will specify the desired plate load.
A transformer will work over quite a wide range of impedances with the same ratios but the frequency response may vary. In order to have adequate bass response the inductance has to be high enough. Since DC in the windings tends to lower the inductance it also tends to reduce the LF response. Also, the core can have an effect on distortion. As a very general statement the larger the core the better.
In an unknown transformer the turns ratio is easy to check, the voltage ratio between windings will give that to you. Its also important to measure the inductance of the windings. That requires a bridge. Exact characterization is rather more complicated since the inductance varies with the amount of DC in the windings and in some cases with level (shouldn't with decent audio transformers).
In the case where a transformer has been replaced a check of the turns ratio can be made, usually without removing the transformer. If its about right and the thing sounds OK I think I would leave it alone.
One of the "virtues" of solid state audio amplifiers is that they don't need transformers since the required load impedance is on the order of a speaker load. This resulted in a loss of the once large market for small transformers.
Unfortunately good transformers are expensive so many small ones were made with inadequate amounts of core material and other cost savings. Again, very generally, the quality of the audio amplifiers in most communications receivers and old vacuum tube broadcast receivers was pretty poor even by the fidelity standards of the time.
Push-pull eliminates the DC in the primary windings and also reduces even harmonic distortion but P-P amplifiers are more expensive to make even when a self balancing circuit is used to eliminate a phase splitter driver stage. A single ended amplifier with feedback and a very good transformer will deliver surprising quality but is probably as expensive as a push pull one.
Unfortunately, when transformers are used for solid state amps they have exactly the same problems as with tubes; if the amplifier is series fed it puts DC in the primary with the same effect of reducing bass response and increasing distortion. One can eliminate some of this by shunt feeding the transformer but then you loose a lot of efficiency.

On 1/20/2018 11:21 PM, Luis Carrera yv5jlo@... [DrakeRadio] wrote:
>
>
> Hello Michael

>
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> transformer that I am repairing, luckily it still retains the label
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> Good Luck
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> Saludos Muchas Gracias y 73 Dx
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> LUIS CARRERA
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> 0212-491.77.82
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> Gary
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>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
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>> If the transformer from a TR-3 is the same, or will work, yes I am
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>>
>>
>>
>> On ☐Saturday☐, ☐January☐ ☐20☐, ☐2018☐ ☐12☐:☐37☐:☐02☐ ☐AM, Bill

>> Houghtonrdrbill@... <mailto:rdrbill@...>[DrakeRadio]
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
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>> Bill, WA6NEQ
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>> ---
>> *From:*"michaeldotc@...
>> <mailto:michaeldotc@...>[DrakeRadio]"
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
>> *To:*DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
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Richard Knoppow
1oldlens1@...
WB6KBL

42708. Re: [DrakeRadio] Transverter

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 18:13:18 UTC
From: Gary Woods
Topic: 42705 Message: 42708

On 21 Jan 2018 16:44:36 +0000, you wrote:

>Not much info on the net and no info with the set

Make? Identifying marks? Pictures? Made by Drake, or aftermarket?
Need...more...input..

This email has been checked for viruses by AVG.
http://www.avg.com

42709. What brand of tubes should I purchase

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 18:48:51 UTC
From: Louis Giovannetti
Topic: 42709 Message: 42709

I have to change the 6JB6 tubes in my T-4XB.
Can anyone tell me what brand of tube should I use Also who can I buy them from that has good new tube prices?
Any information shall be gretly appreciated,
Lou KB2DHG

42710. nweed new tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 18:54:24 UTC
From: kb2dhg@...
Topic: 42710 Message: 42710

Hi I have a DRAKE T-4XB that stopped transmitting, After a complete checking , cleaning of contacts etc. I come to find that it may be the 6JB6 tubes?

Can anyone tell me what brand to use for this transmitter and who sells them for a fair price?

Lou KB2DHG

42711. Re: [DrakeRadio] nweed new tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 19:10:56 UTC
From: Steve Wedge
Topic: 42710 Message: 42711

Before spending big bucks, Lou, I'll assume you've checked the pin voltages
and you do not have any idle current. A set of these now runs you about
$60 for a pair.

On Sun, Jan 21, 2018 at 1:54 PM, kb2dhg@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Hi I have a DRAKE T-4XB that stopped transmitting, After a complete
> checking , cleaning of contacts etc. I come to find that it may be the 6JB6
> tubes?
>
> Can anyone tell me what brand to use for this transmitter and who sells
> them for a fair price?
>
> Lou KB2DHG
>
>
>
>

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42712. Drake L-7 For Sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 19:46:54 UTC
From: Charlie Mink
Topic: 42712 Message: 42712
Attachments: 3 described; binary payloads are missing from this source WARC

I have replaced my L7 with a solid state amp. I am offering it for sale on the Drake Reflector first for $900 before I list elsewhere for more. It has just been thoroughly gone over by the SNJ ARRL Technical Specialist. It is putting out 1300w. The amp has the 10 meter mod. It also has the Harbach power supply upgrade (I.e. new caps and diodes) and one tube was just replaced.

Sorry but this is pick up only in Medford, NJ. No shipping but I will meet anyone within 100 miles of Philadelphia half way.

I plan to list it elsewhere on January 28 after one week with the Drake Group.

Thanks for reading.

42713. RE: [DrakeRadio] Drake L-7 For Sale

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 20:05:06 UTC
From: Joe
Topic: 42712 Message: 42713

Hopefully, someone within a reasonable driving distance from you will buy it, but..

You had better be prepared to figure out shipping on it. Power supply will be the biggest pain to box. The tubes in their own box and the amp in its box will be fairly straight forward.

Anwho, just my opinion.

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Drake L-7 For Sale

I have replaced my L7 with a solid state amp. I am offering it for sale on the Drake Reflector first for $900 before I list elsewhere for more. It has just been thoroughly gone over by the SNJ ARRL Technical Specialist. It is putting out 1300w. The amp has the 10 meter mod. It also has the Harbach power supply upgrade (I.e. new caps and diodes) and one tube was just replaced.

Sorry but this is pick up only in Medford, NJ. No shipping but I will meet anyone within 100 miles of Philadelphia half way.

I plan to list it elsewhere on January 28 after one week with the Drake Group.

Thanks for reading.

42714. Re: [DrakeRadio] nweed new tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 20:23:49 UTC
From: amfone
Topic: 42710 Message: 42714

I have some brand new Slyvania tubes for sale on QTH.

Any good USA brand of tubes will do, Zenith for example were made by Sylvania.
TimWB8UHZ

On Sunday, January 21, 2018, 2:11:05 PM EST, Steve Wedge steve27302@gmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Before spending big bucks, Lou, I'll assume you've checked the pin voltages and you do not have any idle current. A set of these now runs you about $60 for a pair.
On Sun, Jan 21, 2018 at 1:54 PM, kb2dhg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Hi I have a DRAKE T-4XB that stopped transmitting, After a complete checking , cleaning of contacts etc. I come to find that it may be the 6JB6 tubes?

Can anyone tell me what brand to use for this transmitter and who sells them for a fair price?
Lou KB2DHG

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42715. Re: [DrakeRadio] nweed new tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 20:37:46 UTC
From: Gary
Topic: 42710 Message: 42715

While I have MANY 6JB6 tubes, many brands, I doubt that they are the. Abuse of your transmitter’s having “stopped working”. Generally those tubes would cause low output.

Do you see any plate current on the plate meter when yo key up but don’t talk?

Gary

Sent from my iPad

> On Jan 21, 2018, at 12:54 PM, kb2dhg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Hi I have a DRAKE T-4XB that stopped transmitting, After a complete checking , cleaning of contacts etc. I come to find that it may be the 6JB6 tubes?
>
>
> Can anyone tell me what brand to use for this transmitter and who sells them for a fair price?
>
> Lou KB2DHG
>
>
>

42716. Re: [DrakeRadio] nweed new tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 21:06:04 UTC
From: Louis Giovannetti
Topic: 42710 Message: 42716

How much for the tubes?

On Sunday, January 21, 2018 3:23 PM, "amfone amfone20000@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

  I have some brand new Slyvania tubes for sale on QTH.

Any good USA brand of tubes will do, Zenith for example were made by Sylvania.
TimWB8UHZ

On Sunday, January 21, 2018, 2:11:05 PM EST, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

  Before spending big bucks, Lou, I'll assume you've checked the pin voltages and you do not have any idle current. A set of these now runs you about $60 for a pair.
On Sun, Jan 21, 2018 at 1:54 PM, kb2dhg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

  Hi I have a DRAKE T-4XB that stopped transmitting, After a complete checking , cleaning of contacts etc. I come to find that it may be the 6JB6 tubes?
Can anyone tell me what brand to use for this transmitter and who sells them for a fair price?
Lou KB2DHG

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42717. Re: [DrakeRadio] Transverter

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 23:25:59 UTC
From: VE7PS
Topic: 42705 Message: 42717

Arne:

Drake only made a set of 2m and 6m transverters to match the 4-line gear. The manuals for the TC-2 and TC-6 transmit converters and the SC-2 and SC-6 receive converters are all on Ron's website at WB4HFN.com.

Both transverters use 14 Mhz as the IF. You need the SC-2/6 rx converters to make the tx converters work, or an outboard oscillator I suppose. Both rx converters were normally housed in the CC-1 cabinet, with provision for a small 12VDC power supply and a xtal calibrator as well. There is quite a bit of cabling required to hook all this up but once that is accomplished, switching between HF/6m/2m is easily done. The TC-6/2 tx converters require a couple of easy mods to your T-4(any) transmitter to break the PA screen line, and pick up a bit of RF at 14 Mhz.

The TC-6 runs 3 6JB6's in the PA while the TC-2 runs a single Amperex 8643, a pretty rare (and expensive) tube. Someday I am going to try a 5894 in mine as the specs are very similar.

Highest serial #'s I have seen for both the TC-2 and the TC-6 is somewhere in the low to mid-300's, though not sure how many of each were made. Others may chime in here. Prices have been all over the map but at least one whole set was sold here on the reflector in recent years for $800 (asking price), as I recall.

With so much of the weak signal VHF/UHF world going digital, I am not sure how realistic it is to use these as a practical way of getting on the VHF's these days. But for the Drake collector.....different story altogether!

73,
Peter
VE7PS

On 1/21/2018 8:44 AM, oz4vw@... [DrakeRadio] wrote:
>
> Hello to all
> Came across a Transverter set for Drake
>
> Not much info on the net and no info with the set
> Any idea about where to find
> And any idea about price for this
>
>
> Br Arne OZ4VW
>
>

>

This email has been checked for viruses by AVG.
http://www.avg.com

42718. Re: [DrakeRadio] nweed new tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 23:32:07 UTC
From: Steve Wedge
Topic: 42710 Message: 42718

Sylvania and GE are the preferred marques. Many others bought from them, so research is critical.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Jan 21, 2018, at 15:37, Gary dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> While I have MANY 6JB6 tubes, many brands, I doubt that they are the. Abuse of your transmitter’s having “stopped working”. Generally those tubes would cause low output.
>
>
> Do you see any plate current on the plate meter when yo key up but don’t talk?
>
> Gary
>
> Sent from my iPad
>
>> On Jan 21, 2018, at 12:54 PM, kb2dhg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>> Hi I have a DRAKE T-4XB that stopped transmitting, After a complete checking , cleaning of contacts etc. I come to find that it may be the 6JB6 tubes?
>>
>>
>> Can anyone tell me what brand to use for this transmitter and who sells them for a fair price?
>>
>> Lou KB2DHG
>>
>>
>
>

42719. Re: [DrakeRadio] nweed new tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-21 23:36:31 UTC
From: amfone
Topic: 42710 Message: 42719

I have several Sylvania new unused tubes email me at wb8uhz@... I think I have a listing on qth.com but will sell for less.

I use to go to TV stores and buy up their stock years ago as I was never going to run out of them and at age 65 I have too many for sure.

On Sunday, January 21, 2018, 6:32:16 PM EST, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Sylvania and GE are the preferred marques. Many others bought from them, so research is critical.

Steve Wedge, W1ES/4
Sent from my iPhone - the typos have been generated by highly sophisticated software.
On Jan 21, 2018, at 15:37, Gary dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups..com> wrote:

While I have MANY 6JB6 tubes, many brands, I doubt that they are the. Abuse of your transmitter’s having “stopped working”. Generally those tubes would cause low output.

Do you see any plate current on the plate meter when yo key up but don’t talk?
Gary

Sent from my iPad
On Jan 21, 2018, at 12:54 PM, kb2dhg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Hi I have a DRAKE T-4XB that stopped transmitting, After a complete checking , cleaning of contacts etc. I come to find that it may be the 6JB6 tubes?

Can anyone tell me what brand to use for this transmitter and who sells them for a fair price?
Lou KB2DHG

42720. L4B parts list

Yahoo group: DrakeRadio (2018)
Date: 2018-01-22 00:01:21 UTC
From: Paul Kraemer
Topic: 42720 Message: 42720

Group
I promised a copy of this to several who asked.
For fun I also included a copy of schematic for ES4L4B. Someone asked. It is supposed to be on Harbach website included with the instructions but I haven’t checked---so here it is.
Stored on Google cloud.
https://drive.google.com/open?id=1aicI7D-OZyUUubTrRkTylZYj_sTYcf_p
If you can’t access it you may have Google issues.
Paul K0UYA
PS, Ain’t those prices on the parts list a hoot from yesteryear? Dated 1974---enjoy!

42721. Re: [DrakeRadio] nweed new tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-22 00:46:09 UTC
From: Randy Moore
Topic: 42710 Message: 42721

I’d be interested in 2 - 6JB6 tubes. What would be your price shipped to 35811.

Tnx es 73,
Randy, KS4L

> On Jan 21, 2018, at 5:36 PM, amfone amfone20000@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I have several Sylvania new unused tubes email me at wb8uhz@... I think I have a listing on qth.com but will sell for less.
>
> I use to go to TV stores and buy up their stock years ago as I was never going to run out of them and at age 65 I have too many for sure.
>
>
>
>
> On Sunday, January 21, 2018, 6:32:16 PM EST, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> Sylvania and GE are the preferred marques. Many others bought from them, so research is critical.
>
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly sophisticated software.
>
>> On Jan 21, 2018, at 15:37, Gary dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups..com> wrote:
>>
>>
>> While I have MANY 6JB6 tubes, many brands, I doubt that they are the. Abuse of your transmitter’s having “stopped working”. Generally those tubes would cause low output.
>>
>>
>> Do you see any plate current on the plate meter when yo key up but don’t talk?
>>
>> Gary
>>
>> Sent from my iPad
>>
>>> On Jan 21, 2018, at 12:54 PM, kb2dhg@frontier..com [DrakeRadio]

<DrakeRadio@yahoogroups.com> wrote:
>>>
>>>
>>> Hi I have a DRAKE T-4XB that stopped transmitting, After a complete checking , cleaning of contacts etc. I come to find that it may be the 6JB6 tubes?
>>>
>>>
>>> Can anyone tell me what brand to use for this transmitter and who sells them for a fair price?
>>>
>>> Lou KB2DHG
>>>
>>>
>>
>
>

42722. Re: [DrakeRadio] nweed new tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-22 00:48:18 UTC
From: Richard Knoppow
Topic: 42710 Message: 42722

I pretty much agree with Gary but have had the experience of causing a short to the filament line when trouble shooting my T4XB. Pure clumsiness. It caused a large spark and blew out the filament fuse. After replacing the fuse I found the tubes still lighted up but did not draw any current. Tested them and found the same. New tubes worked fine. I think the cathode lead in the tube may have been blown out. I had meant to dissect the tubes but never did.
In any case, unless you had something like this happen the tubes should not be totally dead. The resting current can be measured by keying the transmitter in CW with the side band switch on the wrong side (non-X), that will eliminate any RF drive. You should still get some indication of current and it should vary with the bias adjustment. If you have this resting current but no RF out its likely something other than the tubes.

On 1/21/2018 12:37 PM, Gary dukeshifi@... [DrakeRadio] wrote:
>
>
> While I have MANY 6JB6 tubes, many brands, I doubt that they are the.
> Abuse of your transmitter?s having ?stopped working?. Generally those
> tubes would cause low output.
>
> Do you see any plate current on the plate meter when yo key up but don?t
> talk?
>
> Gary
>
> Sent from my iPad

>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42723. Re: [DrakeRadio] L4B parts list

Yahoo group: DrakeRadio (2018)
Date: 2018-01-22 02:45:50 UTC
From: Michael Cooley
Topic: 42720 Message: 42723

Thanks, Paul! Those were the days, eh??
Oh, BTW, did you get my mail about the board?
MikeW7KWQ

On Sunday, January 21, 2018 4:01 PM, "'Paul Kraemer' elespe@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

GroupI promised a copy of this to several who asked.For fun I also included a copy of schematic for ES4L4B. Someone asked. It is supposed to be on Harbach website included with the instructions but I haven't checked---so here it is.Stored on Google cloud.https://drive.google.com/open?id=1aicI7D-OZyUUubTrRkTylZYj_sTYcf_pIf you can't access it you may have Google issues.Paul K0UYAPS, Ain't those prices on the parts list a hoot from yesteryear? Dated 1974---enjoy!

42724. Re: [DrakeRadio] nweed new tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-22 04:38:05 UTC
From: amfone
Topic: 42710 Message: 42724

On Sunday, January 21, 2018, 7:48:27 PM EST, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I pretty much agree with Gary but have had the experience of causing a short to the filament line when trouble shooting my T4XB. Pure clumsiness. It caused a large spark and blew out the filament fuse. After replacing the fuse I found the tubes still lighted up but did not draw any current. Tested them and found the same. New tubes worked fine. I think the cathode lead in the tube may have been blown out. I had meant to dissect the tubes but never did.

In any case, unless you had something like this happen the tubes should not be totally dead. The resting current can be measured by keying the transmitter in CW with the side band switch on the wrong side (non-X), that will eliminate any RF drive. You should still get some indication of current and it should vary with the bias adjustment. If you have this resting current but no RF out its likely something other than the tubes.

On 1/21/2018 12:37 PM, Gary dukeshifi@... [DrakeRadio] wrote:
>
>
> While I have MANY 6JB6 tubes, many brands, I doubt that they are the.
> Abuse of your transmitter’s having “stopped working”. Generally those
> tubes would cause low output.
>
> Do you see any plate current on the plate meter when yo key up but don’t
> talk?
>
> Gary
>
> Sent from my iPad

>

--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

42725. Re: [DrakeRadio] nweed new tubes

Yahoo group: DrakeRadio (2018)
Date: 2018-01-22 04:40:30 UTC
From: amfone
Topic: 42710 Message: 42725

Please email me outside of this group for information on the 6JB6 tubes. My direct email address is wb8uhz@...
I don't sell much but after 43 years in ham radio I am moving some things, please see my all positive feedback on www.qth.com

Thanks TimWB8UHZ

On Sunday, January 21, 2018, 11:38:05 PM EST, amfone <amfone20000@...> wrote:

On Sunday, January 21, 2018, 7:48:27 PM EST, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

    I pretty much agree with Gary but have had the experience of causing a short to the filament line when trouble shooting my T4XB. Pure clumsiness. It caused a large spark and blew out the filament fuse. After replacing the fuse I found the tubes still lighted up but did not draw any current. Tested them and found the same. New tubes worked fine. I think the cathode lead in the tube may have been blown out. I had meant to dissect the tubes but never did.
    In any case, unless you had something like this happen the tubes should not be totally dead. The resting current can be measured by keying the transmitter in CW with the side band switch on the wrong side (non-X), that will eliminate any RF drive. You should still get some indication of current and it should vary with the bias adjustment. If you have this resting current but no RF out its likely something other than the tubes.

On 1/21/2018 12:37 PM, Gary dukeshifi@... [DrakeRadio] wrote:
>
>
> While I have MANY 6JB6 tubes, many brands, I doubt that they are the.
> Abuse of your transmitter’s having “stopped working”. Generally those
> tubes would cause low output.
>
> Do you see any plate current on the plate meter when yo key up but don’t
> talk?
>
> Gary
>
> Sent from my iPad

>

--
Richard Knoppow
1oldlens1@ix.netcom.com
WB6KBL

Yahoo Groups Links

42726. Re: [DrakeRadio] Transverter

Yahoo group: DrakeRadio (2018)
Date: 2018-01-22 06:33:02 UTC
From: joe sloss
Topic: 42705 Message: 42726

Gary What info are you refeiirg to .? 6M o 2m. What model / set are you refering to?

Joe k7mks

> On January 21, 2018 at 10:13 AM "Gary Woods garygarlic@... [DrakeRadio]"
<DrakeRadio@yahoogroups.com> wrote:
>
>
>
> On 21 Jan 2018 16:44:36 +0000, you wrote:
>
> >Not much info on the net and no info with the set
>
> Make? Identifying marks? Pictures? Made by Drake, or aftermarket?
> Need...more...input..
>
> ---
> This email has been checked for viruses by AVG.
> http://www.avg.com
>
>
>
>

>

42727. Re: [DrakeRadio] TR-4c audio transformer specs

Yahoo group: DrakeRadio (2018)
Date: 2018-01-23 02:48:59 UTC
From: Luis Carrera
Topic: 42673 Message: 42727

Ok Michael you are welcome Saludos Muchas Gracias y 73 Dx
YV5JLO
LUIS CARRERA 0416-611.14.00 0426-217.67.26 0212-491.77.82 0212-505.16.90

El Domingo, 21 de enero, 2018 12:48:55, "Richard Knoppow 1oldlens1@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> escribió:

Interesting, thank you.
The primary impedance, 5K, is typical for transformers made for single pentode or beam amplfiers. If you look up the tube data it usually gives "typical" operating conditions for Class A amplifiers and will specify the desired plate load.
A transformer will work over quite a wide range of impedances with the same ratios but the frequency response may vary. In order to have adequate bass response the inductance has to be high enough. Since DC in the windings tends to lower the inductance it also tends to reduce the LF response. Also, the core can have an effect on distortion. As a very general statement the larger the core the better.
In an unknown transformer the turns ratio is easy to check, the voltage ratio between windings will give that to you. Its also important to measure the inductance of the windings. That requires a bridge. Exact characterization is rather more complicated since the inductance varies with the amount of DC in the windings and in some cases with level (shouldn't with decent audio transformers).
In the case where a transformer has been replaced a check of the turns ratio can be made, usually without removing the transformer. If its about right and the thing sounds OK I think I would leave it alone.
One of the "virtues" of solid state audio amplifiers is that they don't need transformers since the required load impedance is on the order of a speaker load. This resulted in a loss of the once large market for small transformers.
Unfortunately good transformers are expensive so many small ones were made with inadequate amounts of core material and other cost savings. Again, very generally, the quality of the audio amplifiers in most communications receivers and old vacuum tube broadcast receivers was pretty poor even by the fidelity standards of the time.
Push-pull eliminates the DC in the primary windings and also reduces even harmonic distortion but P-P amplifiers are more expensive to make even when a self balancing circuit is used to eliminate a phase splitter driver stage. A single ended amplifier with feedback and a very good transformer will deliver surprising quality but is probably as expensive as a push pull one.
Unfortunately, when transformers are used for solid state amps they have exactly the same problems as with tubes; if the amplifier is series fed it puts DC in the primary with the same effect of reducing bass

response and increasing distortion. One can eliminate some of this by shunt feeding the transformer but then you loose a lot of efficiency.

On 1/20/2018 11:21 PM, Luis Carrera yv5jlo@... [DrakeRadio] wrote:
>
>
> Hello Michael
>
> These are the specifications found on the label of a TR-4c audio
> transformer that I am repairing, luckily it still retains the label
> after so many years.
> A-3877 5w Output
> Single Plate V.C.
> Pri. 5 Kohms 40 Ma. DC Max
> Sec. 4 ohms
> Chicago Standard Transformer
>
> Good Luck
>
>
> Saludos Muchas Gracias y 73 Dx
> YV5JLO
> LUIS CARRERA
> 0416-611.14.00
> 0426-217.67.26
> 0212-491.77.82
> 0212-505.16.90
>
>
> El Sábado, 20 de enero, 2018 14:07:41, "MadScientist
> dukeshifi@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> escribió:
>
>
> These transformers would be the same.
>
> Drake did not change anything they did not NEED to change when they
> introduced the TR4 as a replacement for the TR3.
>
> Gary
>
>
>
>> On Jan 20, 2018, at 12:03 PM, Michael michaeldotc@...
>> <mailto:michaeldotc@...> [DrakeRadio]
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>>
>> I have been trying to find info on the TR-3 audio transformer but
>> have not had any luck. Does anyone know if these are interchangeable?

>>
>> If the transformer from a TR-3 is the same, or will work, yes I am
>> interested.
>>
>>
>>
>> On ☐Saturday☐, ☐January☐ ☐20☐, ☐2018☐ ☐12☐:☐37☐:☐02☐ ☐AM, Bill
>> Houghtonrdrbill@... <mailto:rdrbill@...>[DrakeRadio]
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>>
>>
>> Hi Michael,
>>
>> I have a TR-3 that I have been thinking about parting out. It might
>> use the same audio transformer. I will have to take a look at the
>> manuals. If it is the same as in the TR-4C, would you be interested?
>>
>> 73,
>>
>> Bill, WA6NEQ
>>
>>
>> ---
>> *From:*"michaeldotc@...
>> <mailto:michaeldotc@...>[DrakeRadio]"
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
>> *To:*DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
>> *Sent:*Friday, January 19, 2018 8:16 PM
>> *Subject:*[DrakeRadio] TR-4c audio transformer specs
>>
>> Hello All,
>> Anyone know the specs for the Audio transformer (T-15) on a TR-4c?
>> My TR-4c has a transformer in it that is larger than the stock
>> transformer. Someone has obviously replaced the original..
>> Hammond has audio transformers and so does Vintage Electronics. I just
>> don't know which one to buy.
>>
>> Or if anyone has one they want to part with let me know.
>>
>> Michael
>>
>>
>>
>>
>
>
>
>

>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42728. Re: L7 Votlage reading low

Yahoo group: DrakeRadio (2018)
Date: 2018-01-23 15:09:56 UTC
From: amfone20000@...
Topic: 37115 Message: 42728

Its fixed.

42729. Re: Drake L-7 For Sale-Payment Pending

Yahoo group: DrakeRadio (2018)
Date: 2018-01-23 00:41:21 UTC
From: w2tv@...
Topic: 42712 Message: 42729

My L7 has been sold to a Drake Radio Group member. Thank you!
Charlie
W2TV

42730. Re: [DrakeRadio] Re: L7 Votlage reading low

Yahoo group: DrakeRadio (2018)
Date: 2018-01-23 22:43:19 UTC
From: Richard Knoppow
Topic: 37115 Message: 42730

I searched my saved messages but can't find the original thread so
I am unsure of just what the problem was. How did you fix it?

On 1/23/2018 7:09 AM, amfone20000@... [DrakeRadio] wrote:
>
>
> Its fixed.
>

42731. Re: [DrakeRadio] Re: L7 Votlage reading low

Yahoo group: DrakeRadio (2018)
Date: 2018-01-23 22:47:43 UTC
From: amfone
Topic: 37115 Message: 42731

Dexoit as I recall its been many many months.
Tim

On Tuesday, January 23, 2018, 5:43:30 PM EST, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

    I searched my saved messages but can't find the original thread so
I am unsure of just what the problem was. How did you fix it?

On 1/23/2018 7:09 AM, amfone20000@... [DrakeRadio] wrote:
>
>
> Its fixed.
>

Yahoo Groups Links

42732. Re: [DrakeRadio] Re: L7 Votlage reading low

Yahoo group: DrakeRadio (2018)
Date: 2018-01-23 23:13:01 UTC
From: Richard Knoppow
Topic: 37115 Message: 42732

Sometimes works wonders. Presumably it was used on a bad switch or
relay.

On 1/23/2018 2:47 PM, amfone wrote:
> Dexoit as I recall its been many many months.
>
> Tim
>
>
> On Tuesday, January 23, 2018, 5:43:30 PM EST, Richard Knoppow
> 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> ? ? I searched my saved messages but can't find the original thread so
> I am unsure of just what the problem was. How did you fix it?
>
> On 1/23/2018 7:09 AM, amfone20000@...
> <mailto:amfone20000@...> [DrakeRadio] wrote:
> >
> >
> > Its fixed.
>
> >
>
>
> ------------------------------------
>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
> DrakeRadio-fullfeatured@yahoogroups.com
> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42733. Re: [DrakeRadio] Re: L7 Votlage reading low

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 01:10:24 UTC
From: amfone
Topic: 37115 Message: 42733

As I recall I used it on the 6 position push button switch in the upper corner of the L7

On Tuesday, January 23, 2018, 6:13:07 PM EST, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Sometimes works wonders. Presumably it was used on a bad switch or relay.

On 1/23/2018 2:47 PM, amfone wrote:
> Dexoit as I recall its been many many months.
>
> Tim
>
>
> On Tuesday, January 23, 2018, 5:43:30 PM EST, Richard Knoppow
> 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> I searched my saved messages but can't find the original thread so
> I am unsure of just what the problem was. How did you fix it?
>
> On 1/23/2018 7:09 AM, amfone20000@...
> <mailto:amfone20000@...> [DrakeRadio] wrote:
> >
> >
> > Its fixed.
>
> >
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> ------------------------------------
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>
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> ------------------------------------
>
> Yahoo Groups Links
>
>
> DrakeRadio-fullfeatured@yahoogroups.com
> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

42734. Digital Display for Drake 2B - Your Input is Requested

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 02:48:08 UTC
From: k3jls@...
Topic: 42734 Message: 42734

Folks - I've finished the code for the digital display using the DFD-2 unit described on my website. The only 'rub' with it is that the heterodyne oscillator (for 20 meters and above) will require the addition of an inboard preamp as the crystals - when operating in the overtone mode - just will not provide enough 'umph' to drive the display board. Otherwise, it seems to be working OK.

So, the question is this - after I design a suitable preamp and test it with my 2B, I am planning to sell the bare bones boards (with a programmed PIC) for $26, shipped. I also have completely assembled units, some with an ultra-stable TCXO (no price on these yet).

How many of the folks in this group would be interested in purchasing it? I would like to know this before I go any further with this thing.

73's - Joe - K3JLS

42735. Re: [DrakeRadio] Digital Display for Drake 2B - Your Input is Requested

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 03:41:08 UTC
From: Jeffrey Angus
Topic: 42734 Message: 42735

On 1/23/18 8:48 PM, k3jls wrote:
>
> Folks - I've finished the code for the digital display
> using the DFD-2 unit describedon my website.
>
What website?
>
> How many of the folks in this group would be interested
> in purchasing it?
>
I know I would.
At the very least, the PIC and Bare Board.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42736. RE: [DrakeRadio] Digital Display for Drake 2B - Your Input is Requested

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 09:09:32 UTC
From: JOEL
Topic: 42734 Message: 42736
Attachments: 1 described; binary payloads are missing from this source WARC

I would. 73, Joel AE2JL

Sent from Mail for Windows 10

From: Jeffrey Angus jdangus@... [DrakeRadio]
Sent: Tuesday, January 23, 2018 10:41 PM
To: DrakeRadio@yahoogroups.com; k3jls@...
Subject: Re: [DrakeRadio] Digital Display for Drake 2B - Your Input is Requested

On 1/23/18 8:48 PM, k3jls wrote:

Folks - I've finished the code for the digital display
using the DFD-2 unit described on my website.
What website?

How many of the folks in this group would be interested
in purchasing it?
I know I would.
At the very least, the PIC and Bare Board.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42737. Re: [DrakeRadio] Digital Display for Drake 2B - Your Input is Requested

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 17:59:57 UTC
From: wes Bolin
Topic: 42734 Message: 42737

I would be interested in both items.
Wes

On Tue, Jan 23, 2018 at 8:48 PM, k3jls@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Folks - I've finished the code for the digital display using the DFD-2
> unit described on my website. The only 'rub' with it is that the
> heterodyne oscillator (for 20 meters and above) will require the addition
> of an inboard preamp as the crystals - when operating in the overtone mode
> - just will not provide enough 'umph' to drive the display board.
> Otherwise, it seems to be working OK.
>
> So, the question is this - after I design a suitable preamp and test it
> with my 2B, I am planning to sell the bare bones boards (with a programmed
> PIC) for $26, shipped. I also have completely assembled units, some with
> an ultra-stable TCXO (no price on these yet).
>
> How many of the folks in this group would be interested in purchasing it?
> I would like to know this before I go any further with this thing.
>
> 73's - Joe - K3JLS
>
>
>
>
>
>

42738. Re: [DrakeRadio] relay in T4XB

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 18:01:35 UTC
From: fasan5@...
Topic: 42696 Message: 42738

Richard, I have a nice, clean and tested Drake T4XB relay for sale. If interested, please contact me on oz8cth@mail.dk. Peter OZ8CTH

42739. Re: [DrakeRadio] Digital Display for Drake 2B - Your Input is Requested

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 18:50:49 UTC
From: Mike Bracey
Topic: 42734 Message: 42739

I would be interested.
Mike / KE5YTV

From: "wes Bolin k5apl41@gmail.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com; k3jls@...
Sent: Wednesday, January 24, 2018 12:04 PM
Subject: Re: [DrakeRadio] Digital Display for Drake 2B - Your Input is Requested

  I would be interested in both items.Wes
On Tue, Jan 23, 2018 at 8:48 PM, k3jls@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:

Folks - I've finished the code for the digital display using the DFD-2 unit described on my website. The only 'rub' with it is that the heterodyne oscillator (for 20 meters and above) will require the addition of an inboard preamp as the crystals - when operating in the overtone mode - just will not provide enough 'umph' to drive the display board.. Otherwise, it seems to be working OK.

So, the question is this - after I design a suitable preamp and test it with my 2B, I am planning to sell the bare bones boards (with a programmed PIC) for $26, shipped. I also have completely assembled units, some with an ultra-stable TCXO (no price on these yet).

How many of the folks in this group would be interested in purchasing it? I would like to know this before I go any further with this thing.

73's - Joe - K3JLS

42740. RE: [DrakeRadio] Krylon Spray Paint for Drake Cabinets

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 19:32:58 UTC
From: James Barrie
Topic: 42706 Message: 42740

I used their semi flat black. Primer was red oxide. I sanded the cabinets down to bare metal and then coated it with Rust Reformer first, then primer, and then multi coats of top finish.
After a month or so, I used a clay bar and removed all the over spray and orange peel.
All painting was done on a summer day outside in direct sunlight.
JIM
WA8SDF

-----Original Message-----
From: "Bob Maser bob.maser@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: ☐1/☐21/☐2018 11:46
To: "drakeradio@yahoogroups.com" <drakeradio@yahoogroups.com>
Subject: [DrakeRadio] Krylon Spray Paint for Drake Cabinets

Can someone tell me which spray paint I should use to repaint my TR4CW cabinet. I need the ID for the
primer and the finish coat.
Thanks, Bob W6TR

42741. Re: [DrakeRadio] Digital Display for Drake 2B - Your Input is Requested

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 19:34:08 UTC
From: Joel
Topic: 42734 Message: 42741

I would be interested
Joel K4WM

Sent from my iPhone

> On Jan 24, 2018, at 13:50, Mike Bracey mikebracey@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I would be interested.
>
> Mike / KE5YTV
>
>
> From: "wes Bolin k5apl41@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com; k3jls@...
> Sent: Wednesday, January 24, 2018 12:04 PM
> Subject: Re: [DrakeRadio] Digital Display for Drake 2B - Your Input is Requested
>
>
> I would be interested in both items.
> Wes
>
> On Tue, Jan 23, 2018 at 8:48 PM, k3jls@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Folks - I've finished the code for the digital display using the DFD-2 unit described on my website. The only 'rub' with it is that the heterodyne oscillator (for 20 meters and above) will require the addition of an inboard preamp as the crystals - when operating in the overtone mode - just will not provide enough 'umph' to drive the display board.. Otherwise, it seems to be working OK.
>
> So, the question is this - after I design a suitable preamp and test it with my 2B, I am planning to sell the bare bones boards (with a programmed PIC) for $26, shipped. I also have completely assembled units, some with an ultra-stable TCXO (no price on these yet).
>
> How many of the folks in this group would be interested in purchasing it? I would like to know this before I go any further with this thing.
>
> 73's - Joe - K3JLS
>
>
>
>
>

>
>
> Virus-free. www.avg.com
>

42742. Re: [DrakeRadio] Krylon Spray Paint for Drake Cabinets

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 19:53:54 UTC
From: Curt Nixon
Topic: 42706 Message: 42742

The Semi-Flat Krylon is VERY nice paint and nearly a dead match to original. I have never found it necessary to flatten it out after spraying but always warm the can of paint prior to shooting it. I have looked for the semi flat in recent years but have not found it. Hopefully it is still available. KU8L

Curt

On 01/24/18 2:32 PM, James Barrie barrie43@... [DrakeRadio] wrote:
>
> I used their semi flat black. Primer was red oxide. I sanded the
> cabinets down to bare metal and then coated it with Rust Reformer
> first, then primer, and then multi coats of top finish.
> After a month or so, I used a clay bar and removed all the over spray
> and orange peel.
> All painting was done on a summer day outside in direct sunlight.
> JIM
> WA8SDF
> ---
> From: Bob Maser bob.maser@... [DrakeRadio]
> <mailto:DrakeRadio@yahoogroups.com>
> Sent: ☐1/☐21/☐2018 11:46
> To: drakeradio@yahoogroups.com <mailto:drakeradio@yahoogroups.com>
> Subject: [DrakeRadio] Krylon Spray Paint for Drake Cabinets
>
> Can someone tell me which spray paint I should use to repaint my TR4CW
> cabinet. I need the ID for the
> primer and the finish coat.
> Thanks, Bob W6TR
>

42743. Re: Digital Display for Drake 2B - Your Input is Requested

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 21:55:30 UTC
From: k6ctw@...
Topic: 42734 Message: 42743

I would also be interested. Sounds like a nice addition to a very good receiver!

73 - Ken Miller, K6CTW

42744. Re: [DrakeRadio] Krylon Spray Paint for Drake Cabinets

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 22:24:47 UTC
From: Steve Wedge
Topic: 42706 Message: 42744

Yes, you'll need smooth for anything before the B Line. Orange peel with some spatter works great on B-Line and later.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Jan 24, 2018, at 14:32, James Barrie barrie43@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I used their semi flat black. Primer was red oxide. I sanded the cabinets down to bare metal and then coated it with Rust Reformer first, then primer, and then multi coats of top finish.
> After a month or so, I used a clay bar and removed all the over spray and orange peel.
> All painting was done on a summer day outside in direct sunlight.
> JIM
> WA8SDF
> From: Bob Maser bob.maser@... [DrakeRadio]
> Sent: □1/□21/□2018 11:46
> To: drakeradio@yahoogroups.com
> Subject: [DrakeRadio] Krylon Spray Paint for Drake Cabinets
>
>
> Can someone tell me which spray paint I should use to repaint my TR4CW cabinet. I need the ID for the
> primer and the finish coat.
> Thanks, Bob W6TR
>

42745. Re: [DrakeRadio] Krylon Spray Paint for Drake Cabinets

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 22:31:49 UTC
From: Ronnie Hull
Topic: 42706 Message: 42745

I've always been curious how to get that "spatter" look! Anytime I paint a B line cabinet it's just smooth. Would love to know that secret!!!
Ronnie W5SUM

Sent from my iPhone

> On Jan 24, 2018, at 4:24 PM, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Yes, you'll need smooth for anything before the B Line. Orange peel with some spatter works great on B-Line and later.
>
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly sophisticated software.
>
>> On Jan 24, 2018, at 14:32, James Barrie barrie43@gmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>> I used their semi flat black. Primer was red oxide. I sanded the cabinets down to bare metal and then coated it with Rust Reformer first, then primer, and then multi coats of top finish.
>> After a month or so, I used a clay bar and removed all the over spray and orange peel.
>> All painting was done on a summer day outside in direct sunlight.
>> JIM
>> WA8SDF
>> From: Bob Maser bob.maser@... [DrakeRadio]
>> Sent: □1/□21/□2018 11:46
>> To: drakeradio@yahoogroups.com
>> Subject: [DrakeRadio] Krylon Spray Paint for Drake Cabinets
>>
>>
>> Can someone tell me which spray paint I should use to repaint my TR4CW cabinet. I need the ID for the
>> primer and the finish coat.
>> Thanks, Bob W6TR
>
>

42746. Re: [DrakeRadio] Krylon Spray Paint for Drake Cabinets

Yahoo group: DrakeRadio (2018)
Date: 2018-01-24 22:48:41 UTC
From: Bob Maser
Topic: 42706 Message: 42746

I read somewhere on this group that to get the splatter look, you have to drill out
the spray hole and that will make it put out larger globs of paint which creates the
splatter look.
Bob

On Wed, Jan 24, 2018 at 5:31 PM, Ronnie Hull w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> I've always been curious how to get that "spatter" look! Anytime I paint a
> B line cabinet it's just smooth. Would love to know that secret!!!
> Ronnie W5SUM
>
> Sent from my iPhone
>
> On Jan 24, 2018, at 4:24 PM, Steve Wedge steve27302@...
> [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> Yes, you'll need smooth for anything before the B Line. Orange peel with
> some spatter works great on B-Line and later.
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly
> sophisticated software.
>
> On Jan 24, 2018, at 14:32, James Barrie barrie43@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com> wrote:
>
>
>
> I used their semi flat black. Primer was red oxide. I sanded the cabinets
> down to bare metal and then coated it with Rust Reformer first, then
> primer, and then multi coats of top finish.
> After a month or so, I used a clay bar and removed all the over spray and
> orange peel.
> All painting was done on a summer day outside in direct sunlight.
> JIM
> WA8SDF
> ------------------------------

> From: Bob Maser bob.maser@... [DrakeRadio]
> <DrakeRadio@yahoogroups.com>
> Sent: ☐1/☐21/☐2018 11:46
> To: drakeradio@yahoogroups.com
> Subject: [DrakeRadio] Krylon Spray Paint for Drake Cabinets
>
>
>
> Can someone tell me which spray paint I should use to repaint my TR4CW
> cabinet. I need the ID for the
> primer and the finish coat.
> Thanks, Bob W6TR
>
>
>

42747. replacement pots for drake equipment

Yahoo group: DrakeRadio (2018)
Date: 2018-01-25 00:03:40 UTC
From: johng101501@...
Topic: 42747 Message: 42747

Anybody know a good source for new replacements-- they are tab lock which makes it tough. n
Thanks, KC2WTS

42748. Re: [DrakeRadio] Krylon Spray Paint for Drake Cabinets

Yahoo group: DrakeRadio (2018)
Date: 2018-01-25 00:15:14 UTC
From: VE7PS
Topic: 42706 Message: 42748

Ronnie:

It's explained very well by Mark, WB0IQK, here;

http://www.wb4hfn.com/DRAKE/DrakeArticles/TechTips/CabinetRepainting.htm

73
Peter
VE7PS

On 1/24/2018 2:31 PM, Ronnie Hull w5sum@... [DrakeRadio] wrote:
> I've always been curious how to get that "spatter" look! Anytime I
> paint a B line cabinet it's just smooth. Would love to know that secret!!!
> Ronnie W5SUM
>
> Sent from my iPhone
>
> On Jan 24, 2018, at 4:24 PM, Steve Wedge steve27302@...
> <mailto:steve27302@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> Yes, you'll need smooth for anything before the B Line. Orange peel
>> with some spatter works great on B-Line and later.
>>
>> Steve Wedge, W1ES/4
>>
>> Sent from my iPhone - the typos have been generated by highly
>> sophisticated software.
>>
>> On Jan 24, 2018, at 14:32, James Barrie barrie43@...
>> <mailto:barrie43@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>>> I used their semi flat black. Primer was red oxide. I sanded the
>>> cabinets down to bare metal and then coated it with Rust Reformer
>>> first, then primer, and then multi coats of top finish.
>>> After a month or so, I used a clay bar and removed all the over
>>> spray and orange peel.
>>> All painting was done on a summer day outside in direct sunlight.
>>> JIM
>>> WA8SDF
>>> ----------
>>> From: Bob Maser bob.maser@... [DrakeRadio]
>>> <mailto:DrakeRadio@yahoogroups.com>
>>> Sent: ☐1/☐21/☐2018 11:46

>>> To: drakeradio@yahoogroups.com <mailto:drakeradio@yahoogroups.com>
>>> Subject: [DrakeRadio] Krylon Spray Paint for Drake Cabinets
>>>
>>> Can someone tell me which spray paint I should use to repaint my
>>> TR4CW cabinet. I need the ID for the
>>> primer and the finish coat.
>>> Thanks, Bob W6TR
>

This email has been checked for viruses by AVG.
http://www.avg.com

42749. Re: Digital Display for Drake 2B - Your Input is Requested

Yahoo group: DrakeRadio (2018)
Date: 2018-01-25 00:29:11 UTC
From: Kevin Elliott
Topic: 42734 Message: 42749

I would be interested in both units.
Kevin KG0MN "Real radios glow in the dark and help with winter heating bills"

42750. tr4cw

Yahoo group: DrakeRadio (2018)
Date: 2018-01-25 01:49:58 UTC
From: <w2ssx@...>
Topic: 42750 Message: 42750

Anyone have a near mint tr4cw for sale.
richard w2ssx@...

42751. Re: [DrakeRadio] tr4cw

Yahoo group: DrakeRadio (2018)
Date: 2018-01-25 02:33:18 UTC
From: Barry Isseks
Topic: 42750 Message: 42751

Been thinking of selling mine.. very clean. Run about 3 years ago. $550+ship
I’m in Florida till Monday if you want Picts let me know.
Barry K6ZA

> On Jan 24, 2018, at 8:49 PM, w2ssx@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Anyone have a near mint tr4cw for sale.
> richard w2ssx@...
>

42752. RE: [DrakeRadio] tr4cw

Yahoo group: DrakeRadio (2018)
Date: 2018-01-25 03:47:00 UTC
From: Teran W. Hermanson
Topic: 42750 Message: 42752

W0CEL Dave said he had a Drake TR4CW for sale a couple weeks ago.
Not sure if it is mint but he checks in to our classic radio group with it.
He should be good on QRZ sent him a email.

Terry KF0HR

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Wednesday, January 24, 2018 7:50 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] tr4cw

Anyone have a near mint tr4cw for sale.
richard w2ssx@...

42753. Re: [DrakeRadio] Krylon Spray Paint for Drake Cabinets

Yahoo group: DrakeRadio (2018)
Date: 2018-01-25 14:12:11 UTC
From: Curt Nixon
Topic: 42706 Message: 42753

One way, as mentioned is to drill out the nozzle. Sometimes you can simply pry out the little jet hole insert that is installed in the button head of the spray cans. They also make spatter paint that can be used as an undercoat. FInally, I have spattered using standard gray primer for the texture. It is a lot easier than trying to get a decent looking finish using the top coat paint. The primer is filled and thicker and designed to cure even when it is thick. If it goes on too "sharp" a pattern, you can knock it down easily with some 400 and a block. You can also get a high napp roller that will texture the primer. When its on and cured, spray on a couple of light coats of top coat then cure.

FWIW

Curt

On 01/24/18 5:48 PM, Bob Maser bob.maser@... [DrakeRadio] wrote:
> I read somewhere on this group that to get the splatter look, you have
> to drill out
> the spray hole and that will make it put out larger globs of paint
> which creates the
> splatter look.
> Bob
>
> On Wed, Jan 24, 2018 at 5:31 PM, Ronnie Hull w5sum@...
> <mailto:w5sum@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
> I've always been curious how to get that "spatter" look! Anytime I
> paint a B line cabinet it's just smooth. Would love to know that
> secret!!!
> Ronnie W5SUM
>
> Sent from my iPhone
>
> On Jan 24, 2018, at 4:24 PM, Steve Wedge steve27302@...
> <mailto:steve27302@...> [DrakeRadio]
> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
> wrote:
>
>> Yes, you'll need smooth for anything before the B Line. Orange
>> peel with some spatter works great on B-Line and later.
>>
>> Steve Wedge, W1ES/4
>>

>> Sent from my iPhone - the typos have been generated by highly
>> sophisticated software.
>>
>> On Jan 24, 2018, at 14:32, James Barrie barrie43@...
>> <mailto:barrie43@...> [DrakeRadio]
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
>> wrote:
>>
>>> I used their semi flat black. Primer was red oxide. I sanded the
>>> cabinets down to bare metal and then coated it with Rust
>>> Reformer first, then primer, and then multi coats of top finish.
>>> After a month or so, I used a clay bar and removed all the over
>>> spray and orange peel.
>>> All painting was done on a summer day outside in direct sunlight.
>>> JIM
>>> WA8SDF
>>> ---
>>> From: Bob Maser bob.maser@... [DrakeRadio]
>>> <mailto:DrakeRadio@yahoogroups.com>
>>> Sent: □1/□21/□2018 11:46
>>> To: drakeradio@yahoogroups.com <mailto:drakeradio@yahoogroups.com>
>>> Subject: [DrakeRadio] Krylon Spray Paint for Drake Cabinets
>>>
>>> Can someone tell me which spray paint I should use to repaint my
>>> TR4CW cabinet. I need the ID for the
>>> primer and the finish coat.
>>> Thanks, Bob W6TR
>
>
>

42754. 34 PNB warbling

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 03:58:00 UTC
From: Gerald Reynolds
Topic: 42754 Message: 42754

My TR4c works great, good clear audio reception,..until I switch my NB to ON position. Then the audio is ‘echoey’, ‘warbles’, and the audio is very slightly reduced. This occurs on any Band, and on SSB (lower or upper).

There are no strong stations close to frequency, and the problem occurs on weak and strong stations I am listening to.

When I switch the NB to OFF the audio from the MS-4 speaker reverts to normal good sounding.

Any thoughts?

73, Gerald KB7QQ
Florence, MT.

Sent from my iPad

42755. Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 12:37:25 UTC
From: <todd@...>
Topic: 42755 Message: 42755

Can anyone advise me if it is a good idea to install a Harbach soft key circuit on my L7 amp? Thanks, Todd

42756. [FWD: Drake L7 and Harbach soft key]

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 12:50:58 UTC
From: <todd@...>
Topic: 42756 Message: 42756

I should add that I only use the L7 with TR7"s. Thanks

Can anyone advise me if it is a good idea to install a Harbach soft key circuit on my L7 amp? Thanks, Todd

42757. RE: [DrakeRadio] Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 13:19:11 UTC
From: Vincent Lanese
Topic: 42755 Message: 42757

Hi Todd. It is required if you use a solid state transceiver to drive it.

Regards, Vince N8MQV

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Friday, January 26, 2018 7:37 AM
To: drakeradio@yahoogroups.com
Subject: [DrakeRadio] Drake L7 and Harbach soft key

Can anyone advise me if it is a good idea to install a Harbach soft key circuit on my L7 amp? Thanks, Todd

42758. RE: [DrakeRadio] Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 13:26:32 UTC
From: <todd@...>
Topic: 42755 Message: 42758

Vince,

I use it with a TR7 which is solid state. Drake engineering was so good I am surprised that this is required on a Drake 7 series setup.

Thanks,? Todd

-------- Original Message --------
Subject: RE: [DrakeRadio] Drake L7 and Harbach soft key
From: "'Vincent Lanese' mv503a@roadrunner.com [DrakeRadio]"
<DrakeRadio@yahoogroups.com>
Date: Fri, January 26, 2018 8:19 am
To: <DrakeRadio@yahoogroups.com>, <todd@...>

?

Hi Todd.? It is required if you use a solid state transceiver to drive it.
Regards, Vince N8MQV
?
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Friday, January 26, 2018 7:37 AM
To: drakeradio@yahoogroups.com
Subject: [DrakeRadio] Drake L7 and Harbach soft key
?
?
Can anyone advise me if it is a good idea to install a Harbach soft key circuit on my L7 amp? Thanks, Todd

42759. RE: [DrakeRadio] Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 15:36:33 UTC
From: Joe Pyles
Topic: 42755 Message: 42759

A relay interface is not required with the TR7 or
any Drake transceiver or transmitter for that
matter as they all have a dedicated set of
contacts in the relay to key the linear. The
later solid state, Icom, Yaesu, Kenwood and
anything manufactured lately use a transistor or
a very small relay to switch the amp and they
cannot handle the higher voltages in the early
amplifier keying lines. On page 2-6 of the TR7
owners manual it shows how to connect a linear to
the TR7. The keying line goes straight to the VOX connector on the PS7.

73, Joe Pyles KC9LAD

At 08:26 AM 1/26/2018, you wrote:
>
>
>Vince,
>
>I use it with a TR7 which is solid state. Drake
>engineering was so good I am surprised that this
>is required on a Drake 7 series setup.
>
>Thanks, Todd
>-------- Original Message --------
>Subject: RE: [DrakeRadio] Drake L7 and Harbach soft key
>From: "'Vincent Lanese'
><mailto:mv503a@...>mv503a@... [DrakeRadio]"
><<mailto:DrakeRadio@yahoogroups.com>DrakeRadio@yahoogroups.com>
>Date: Fri, January 26, 2018 8:19 am
>To:
><<mailto:DrakeRadio@yahoogroups.com>DrakeRadio@yahoogroups.com>,
><<mailto:todd@...>todd@...>
>
>
>Hi Todd. It is required if you use a solid state transceiver to drive it.
>Regards, Vince N8MQV
>
>From:
><mailto:DrakeRadio@yahoogroups.com>DrakeRadio@yahoogroups.com
>[mailto:DrakeRadio@yahoogroups.com]
>Sent: Friday, January 26, 2018 7:37 AM
>To: <mailto:drakeradio@yahoogroups.com>drakeradio@yahoogroups.com
>Subject: [DrakeRadio] Drake L7 and Harbach soft key
>

>
>Can anyone advise me if it is a good idea to
>install a Harbach soft key circuit on my L7 amp? Thanks, Todd
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

42760. Re: [DrakeRadio] Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 15:59:51 UTC
From: MadScientist
Topic: 42755 Message: 42760

The issue with the L4 and L7/75 amps is not the voltage they present to the transceiver but rather the current draw they demand. While a TR7 is more than capable of keying all Drake amplifiers, this is not the case with ost of the newer radios.

These newer radios benefit from a current buffer between the radio keying kine and the amp.

I have personally destroyed the keying circuit on a Ten Tec Omni 6 by keying an L4B…

Gary

> On Jan 26, 2018, at 9:36 AM, Joe Pyles epyles@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> A relay interface is not required with the TR7 or any Drake transceiver or transmitter for that matter as they all have a dedicated set of contacts in the relay to key the linear. The later solid state, Icom, Yaesu, Kenwood and anything manufactured lately use a transistor or a very small relay to switch the amp and they cannot handle the higher voltages in the early amplifier keying lines. On page 2-6 of the TR7 owners manual it shows how to connect a linear to the TR7. The keying line goes straight to the VOX connector on the PS7.
>
>
> 73, Joe Pyles KC9LAD
>
> At 08:26 AM 1/26/2018, you wrote:
>
>>
>>
>> Vince,
>>
>> I use it with a TR7 which is solid state. Drake engineering was so good I am surprised that this is required on a Drake 7 series setup.
>>
>> Thanks, Todd
>> -------- Original Message --------
>> Subject: RE: [DrakeRadio] Drake L7 and Harbach soft key
>> From: "'Vincent Lanese' mv503a@... <mailto:mv503a@...> [DrakeRadio]"
>> < DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
>> Date: Fri, January 26, 2018 8:19 am
>> To: < DrakeRadio@yahoogroups.com <mailto:DrakeRadio@...m>>, <todd@... <mailto:todd@...>>
>>
>>
>> Hi Todd. It is required if you use a solid state transceiver to drive it.
>> Regards, Vince N8MQV
>>

>> From: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
[mailto:DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>]
>> Sent: Friday, January 26, 2018 7:37 AM
>> To: drakeradio@yahoogroups.com <mailto:drakeradio@yahoogroups.com>
>> Subject: [DrakeRadio] Drake L7 and Harbach soft key
>>
>>
>> Can anyone advise me if it is a good idea to install a Harbach soft key circuit on my L7 amp? Thanks, Todd
>>
>
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient> Virus-free. www.avg.com <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
<x-msg://26/#DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>
>

42761. Re: [DrakeRadio] Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 16:06:57 UTC
From: William Shadid
Topic: 42755 Message: 42761

Vince and Todd,

The only thing is that "solid state" does not indicate the method used to switch the antenna relay in the L7. The TR7 has a relay there and its capability switches the antenna relay in the L7 very well. But, beware with other radios. Check the voltage present on the open line from the L7 and also the current required to close the circuit. Compare that with the capability of the radio being used as the exciter.

73,

-Bill, W9MXQ

On 1/26/2018 7:26 AM, todd@... [DrakeRadio] wrote:
>
> Vince,
>
> I use it with a TR7 which is solid state. Drake engineering was so
> good I am surprised that this is required on a Drake 7 series setup.
>
> Thanks, Todd
>
> -------- Original Message --------
> Subject: RE: [DrakeRadio] Drake L7 and Harbach soft key
> From: "'Vincent Lanese' mv503a@...
> <mailto:mv503a@...> [DrakeRadio]"
> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
> Date: Fri, January 26, 2018 8:19 am
> To: <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>>, <todd@...
> <mailto:todd@...>>
>
> Hi Todd. It is required if you use a solid state transceiver to
> drive it.
> Regards, Vince N8MQV
> *From:* DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>
> [mailto:DrakeRadio@yahoogroups.com]
> *Sent:* Friday, January 26, 2018 7:37 AM
> *To:* drakeradio@yahoogroups.com <mailto:drakeradio@yahoogroups.com>
> *Subject:* [DrakeRadio] Drake L7 and Harbach soft key
> Can anyone advise me if it is a good idea to install a Harbach
> soft key circuit on my L7 amp? Thanks, Todd
>
>

42762. RE: [DrakeRadio] Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 17:05:27 UTC
From: Joe
Topic: 42755 Message: 42762

Heh, I don't worry about such things, I use the Ameritron ARB-704 to activate the amplifiers with my Kenwood TS-2000X. All of my amplifiers, the SB-200, SB-220, the Henry 2KD Classic, Drake L-4B's, as my newly acquired L7.

Anywho, my L7 DOES have the soft start mod, right Paul??!! J

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Drake L7 and Harbach soft key

Vince and Todd,

The only thing is that "solid state" does not indicate the method used to switch the antenna relay in the L7. The TR7 has a relay there and its capability switches the antenna relay in the L7 very well. But, beware with other radios. Check the voltage present on the open line from the L7 and also the current required to close the circuit. Compare that with the capability of the radio being used as the exciter.

73,

-Bill, W9MXQ

On 1/26/2018 7:26 AM, todd@... [DrakeRadio] wrote:

Vince,

I use it with a TR7 which is solid state. Drake engineering was so good I am surprised that this is required on a Drake 7 series setup.

Thanks, Todd

-------- Original Message --------
Subject: RE: [DrakeRadio] Drake L7 and Harbach soft key
From: "'Vincent Lanese' mv503a@roadrunner.com [DrakeRadio]"
<DrakeRadio@yahoogroups.com>
Date: Fri, January 26, 2018 8:19 am
To: <DrakeRadio@yahoogroups.com>, <todd@...>

Hi Todd. It is required if you use a solid state transceiver to drive it.

Regards, Vince N8MQV

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Friday, January 26, 2018 7:37 AM
To: drakeradio@yahoogroups.com
Subject: [DrakeRadio] Drake L7 and Harbach soft key

Can anyone advise me if it is a good idea to install a Harbach soft key circuit on my L7 amp? Thanks, Todd

42763. RE: [DrakeRadio] Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 17:36:31 UTC
From: Vincent Lanese
Topic: 42755 Message: 42763

Ahh, I posted to quickly. Of course everything in the 7 line is compatible. I did not know the specifics.

Regards, Vince

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Friday, January 26, 2018 11:07 AM
To: DrakeRadio@yahoogroups.com
Subject: Re: [DrakeRadio] Drake L7 and Harbach soft key

Vince and Todd,

The only thing is that "solid state" does not indicate the method used to switch the antenna relay in the L7. The TR7 has a relay there and its capability switches the antenna relay in the L7 very well. But, beware with other radios. Check the voltage present on the open line from the L7 and also the current required to close the circuit. Compare that with the capability of the radio being used as the exciter.

73,

-Bill, W9MXQ

On 1/26/2018 7:26 AM, todd@... <mailto:todd@...> [DrakeRadio] wrote:

Vince,

I use it with a TR7 which is solid state. Drake engineering was so good I am surprised that this is required on a Drake 7 series setup.

Thanks, Todd

-------- Original Message --------
Subject: RE: [DrakeRadio] Drake L7 and Harbach soft key
From: "'Vincent Lanese' mv503a@... <mailto:mv503a@roadrunner.com> [DrakeRadio]"
<DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com> >
Date: Fri, January 26, 2018 8:19 am
To: <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com> >, <todd@...
<mailto:todd@...> >

Hi Todd. It is required if you use a solid state transceiver to drive it.

Regards, Vince N8MQV

From: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
[mailto:DrakeRadio@yahoogroups.com]
Sent: Friday, January 26, 2018 7:37 AM
To: drakeradio@yahoogroups.com <mailto:drakeradio@yahoogroups.com>
Subject: [DrakeRadio] Drake L7 and Harbach soft key

Can anyone advise me if it is a good idea to install a Harbach soft key circuit on my L7 amp? Thanks, Todd

42764. Re: [DrakeRadio] Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 18:05:05 UTC
From: Evan
Topic: 42755 Message: 42764

And allow some cushion for inductive spikes...

-----Original Message-----
From: William Shadid wa9mxq@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Fri, Jan 26, 2018 11:19 am
Subject: Re: [DrakeRadio] Drake L7 and Harbach soft key

Vince and Todd,

The only thing is that "solid state" does not indicate the method used to switch the antenna relay in the L7. The TR7 has a relay there and its capability switches the antenna relay in the L7 very well. But, beware with other radios. Check the voltage present on the open line from the L7 and also the current required to close the circuit. Compare that with the capability of the radio being used as the exciter.

73,

-Bill, W9MXQ

On 1/26/2018 7:26 AM, todd@... [DrakeRadio] wrote:

Vince,

I use it with a TR7 which is solid state. Drake engineering was so good I am surprised that this is required on a Drake 7 series setup.

Thanks, Todd

-------- Original Message --------
Subject: RE: [DrakeRadio] Drake L7 and Harbach soft key
From: "'Vincent Lanese' mv503a@... [DrakeRadio]"
<DrakeRadio@yahoogroups.com>
Date: Fri, January 26, 2018 8:19 am
To: <DrakeRadio@yahoogroups.com>, <todd@toddsabin.com>

Hi Todd. It is required if you use a solid state transceiver to drive it.

Regards, Vince N8MQV

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Friday, January 26, 2018 7:37 AM
To: drakeradio@yahoogroups.com
Subject: [DrakeRadio] Drake L7 and Harbach soft key

Can anyone advise me if it is a good idea to install a Harbach soft key circuit on my L7 amp? Thanks, Todd

42765. Re: [DrakeRadio] Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 18:29:00 UTC
From: Evan
Topic: 42755 Message: 42765

I've used the HamGadgets UKA-3 keying adapter with success for the PTT line in the L7 and L4B linears. Pictures and a video from a previous Drake Forum at Hamvention show the installation, which uses the DC available within the RF deck.

73,

Evan, K9SQG

-----Original Message-----
From: 'Vincent Lanese' mv503a@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; 'William Shadid' <wa9mxq@earthlink.net>
Sent: Fri, Jan 26, 2018 12:41 pm
Subject: RE: [DrakeRadio] Drake L7 and Harbach soft key

Ahh, I posted to quickly. Of course everything in the 7 line is compatible. I did not know the specifics.
Regards, Vince

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Friday, January 26, 2018 11:07 AM
To: DrakeRadio@yahoogroups.com
Subject: Re: [DrakeRadio] Drake L7 and Harbach soft key

Vince and Todd,
The only thing is that "solid state" does not indicate the method used to switch the antenna relay in the L7. The TR7 has a relay there and its capability switches the antenna relay in the L7 very well. But, beware with other radios. Check the voltage present on the open line from the L7 and also the current required to close the circuit. Compare that with the capability of the radio being used as the exciter.
73,

-Bill, W9MXQ

On 1/26/2018 7:26 AM, todd@... [DrakeRadio] wrote:

Vince,

I use it with a TR7 which is solid state. Drake engineering was so good I am surprised that this is required on a Drake 7 series setup.

Thanks, Todd

-------- Original Message --------
Subject: RE: [DrakeRadio] Drake L7 and Harbach soft key
From: "'Vincent Lanese' mv503a@roadrunner.com [DrakeRadio]"
<DrakeRadio@yahoogroups.com>
Date: Fri, January 26, 2018 8:19 am
To: <DrakeRadio@yahoogroups.com>, <todd@...>

Hi Todd. It is required if you use a solid state transceiver to drive it.

Regards, Vince N8MQV

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Friday, January 26, 2018 7:37 AM
To: drakeradio@yahoogroups.com
Subject: [DrakeRadio] Drake L7 and Harbach soft key

Can anyone advise me if it is a good idea to install a Harbach soft key circuit on my L7 amp? Thanks, Todd

42766. Re: [DrakeRadio] Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 18:30:41 UTC
From: Tony Sokol
Topic: 42755 Message: 42766

Sent from my iPad

> On Jan 26, 2018, at 12:05 PM, Evan k9sqg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> And allow some cushion for inductive spikes...
>
>
>
> -----Original Message-----
> From: William Shadid wa9mxq@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>
> Sent: Fri, Jan 26, 2018 11:19 am
> Subject: Re: [DrakeRadio] Drake L7 and Harbach soft key
>
>
> Vince and Todd,
> The only thing is that "solid state" does not indicate the method used to switch the antenna relay in the L7. The TR7 has a relay there and its capability switches the antenna relay in the L7 very well. But, beware with other radios. Check the voltage present on the open line from the L7 and also the current required to close the circuit. Compare that with the capability of the radio being used as the exciter.
> 73,
>
> -Bill, W9MXQ
>
> On 1/26/2018 7:26 AM, todd@... [DrakeRadio] wrote:
>
> Vince,
>
> I use it with a TR7 which is solid state. Drake engineering was so good I am surprised that this is required on a Drake 7 series setup.
>
> Thanks, Todd
> -------- Original Message --------
> Subject: RE: [DrakeRadio] Drake L7 and Harbach soft key
> From: "'Vincent Lanese' mv503a@roadrunner.com [DrakeRadio]"
> <DrakeRadio@yahoogroups.com>
> Date: Fri, January 26, 2018 8:19 am
> To: <DrakeRadio@yahoogroups.com>, <todd@...>
>
>
> Hi Todd. It is required if you use a solid state transceiver to drive it.
> Regards, Vince N8MQV
>

> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Sent: Friday, January 26, 2018 7:37 AM
> To: drakeradio@yahoogroups.com
> Subject: [DrakeRadio] Drake L7 and Harbach soft key
>
>
> Can anyone advise me if it is a good idea to install a Harbach soft key circuit on my L7 amp? Thanks, Todd
>
>

42767. Re: [DrakeRadio] Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 19:45:23 UTC
From: MadScientist
Topic: 42755 Message: 42767

The relays in the L4 and L7/75 have flyback suppression diodes in place…

Gary

> On Jan 26, 2018, at 12:30 PM, Tony Sokol tonysokol@sbcglobal.net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
>
> Sent from my iPad
>
> On Jan 26, 2018, at 12:05 PM, Evan k9sqg@... <mailto:k9sqg@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>>
>> And allow some cushion for inductive spikes...
>>
>>
>>
>> -----Original Message-----
>> From: William Shadid wa9mxq@... <mailto:wa9mxq@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
>> To: DrakeRadio <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
>> Sent: Fri, Jan 26, 2018 11:19 am
>> Subject: Re: [DrakeRadio] Drake L7 and Harbach soft key
>>
>>
>> Vince and Todd,
>> The only thing is that "solid state" does not indicate the method used to switch the antenna relay in the L7. The TR7 has a relay there and its capability switches the antenna relay in the L7 very well. But, beware with other radios. Check the voltage present on the open line from the L7 and also the current required to close the circuit. Compare that with the capability of the radio being used as the exciter.
>> 73,
>>
>> -Bill, W9MXQ
>>
>> On 1/26/2018 7:26 AM, todd@toddsabin.com <mailto:todd@...> [DrakeRadio] wrote:
>>
>> Vince,
>>
>> I use it with a TR7 which is solid state. Drake engineering was so good I am surprised that this is required on a Drake 7 series setup.
>>

>> Thanks, Todd
>> -------- Original Message --------
>> Subject: RE: [DrakeRadio] Drake L7 and Harbach soft key
>> From: "'Vincent Lanese' mv503a@... <mailto:mv503a@...> [DrakeRadio]"
>> <DrakeRadio@...m <mailto:DrakeRadio@yahoogroups.com>>
>> Date: Fri, January 26, 2018 8:19 am
>> To: <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>, <todd@...
<mailto:todd@...>>
>>
>>
>> Hi Todd. It is required if you use a solid state transceiver to drive it.
>> Regards, Vince N8MQV
>>
>> From: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
[mailto:DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>]
>> Sent: Friday, January 26, 2018 7:37 AM
>> To: drakeradio@yahoogroups.com <mailto:drakeradio@yahoogroups.com>
>> Subject: [DrakeRadio] Drake L7 and Harbach soft key
>>
>>
>> Can anyone advise me if it is a good idea to install a Harbach soft key circuit on my L7
amp? Thanks, Todd
>>
>>
>
>

42768. Re: [DrakeRadio] Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 20:12:20 UTC
From: Doug Coffman
Topic: 42755 Message: 42768

Gary,

They may have added the diodes in later versions of the L4 however, mine did not. I added it. The L4Bs that I've seen all had them.

Just a bit of info.

Doug - N9XTF

Sent from my iPhone

> On Jan 26, 2018, at 14:45, MadScientist dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> The relays in the L4 and L7/75 have flyback suppression diodes in place…
>
>
> Gary
>
>> On Jan 26, 2018, at 12:30 PM, Tony Sokol tonysokol@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>>
>>
>> Sent from my iPad
>>
>>> On Jan 26, 2018, at 12:05 PM, Evan k9sqg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>>
>>>
>>> And allow some cushion for inductive spikes...
>>>
>>>
>>>
>>> -----Original Message-----
>>> From: William Shadid wa9mxq@earthlink.net [DrakeRadio] <DrakeRadio@yahoogroups.com>
>>> To: DrakeRadio <DrakeRadio@yahoogroups.com>
>>> Sent: Fri, Jan 26, 2018 11:19 am
>>> Subject: Re: [DrakeRadio] Drake L7 and Harbach soft key
>>>
>>>
>>> Vince and Todd,
>>> The only thing is that "solid state" does not indicate the method used to switch the antenna relay in the L7. The TR7 has a relay there and its capability switches the antenna relay in the L7 very well. But, beware with other radios. Check the voltage present on the

open line from the L7 and also the current required to close the circuit. Compare that with the capability of the radio being used as the exciter.
>>> 73,
>>>
>>> -Bill, W9MXQ
>>>
>>> On 1/26/2018 7:26 AM, todd@... [DrakeRadio] wrote:
>>>
>>> Vince,
>>>
>>> I use it with a TR7 which is solid state. Drake engineering was so good I am surprised that this is required on a Drake 7 series setup.
>>>
>>> Thanks, Todd
>>> -------- Original Message --------
>>> Subject: RE: [DrakeRadio] Drake L7 and Harbach soft key
>>> From: "'Vincent Lanese' mv503a@roadrunner..com [DrakeRadio]"
>>> <DrakeRadio@yahoogroups.com>
>>> Date: Fri, January 26, 2018 8:19 am
>>> To: <DrakeRadio@yahoogroups.com>, <todd@...>
>>>
>>>
>>> Hi Todd. It is required if you use a solid state transceiver to drive it.
>>> Regards, Vince N8MQV
>>>
>>> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
>>> Sent: Friday, January 26, 2018 7:37 AM
>>> To: drakeradio@...m
>>> Subject: [DrakeRadio] Drake L7 and Harbach soft key
>>>
>>>
>>> Can anyone advise me if it is a good idea to install a Harbach soft key circuit on my L7 amp? Thanks, Todd
>>>
>>>
>>
>
>

42769. Re: [DrakeRadio] Drake L7 and Harbach soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-01-26 20:48:58 UTC
From: Joe Pyles
Topic: 42755 Message: 42769

The voltage can be a problem as in the Drake
linears the open circuit voltage is in excess of
24 volts and some amps such the SB-220 the
voltage is 120 volts. This will take out that
surface mount transistor in the newer radios as
soon as you plug in the keying line, you don't
have to transmit just plugging in will do it.
I've repaired a few rice burners that has happened to.

73, Joe Pyles KC9LAD

At 10:59 AM 1/26/2018, you wrote:
>
>
>The issue with the L4 and L7/75 amps is not the
>voltage they present to the transceiver but
>rather the current draw they demand. While a TR7
>is more than capable of keying all Drake
>amplifiers, this is not the case with ost of the newer radios.
>
>These newer radios benefit from a current buffer
>between the radio keying kine and the amp.
>
>I have personally destroyed the keying circuit
>on a Ten Tec Omni 6 by keying an L4B
><
>
>Gary
>
>>On Jan 26, 2018, at 9:36 AM, Joe Pyles
>><mailto:epyles@...>epyles@...
>>[DrakeRadio]
>><<mailto:DrakeRadio@yahoogroups.com>DrakeRadio@yahoogroups.com> wrote:
>>
>>A relay interface is not required with the TR7
>>or any Drake transceiver or transmitter for
>>that matter as they all have a dedicated set of
>>contacts in the relay to key the linear. The
>>later solid state, Icom, Yaesu, Kenwood and
>>anything manufactured lately use a transistor
>>or a very small relay to switch the amp and
>>they cannot handle the higher voltages in the
>>early amplifier keying lines. On page 2-6 of
>>the TR7 owners manual it shows how to connect a
>>linear to the TR7. The keying line goes

>>straight to the VOX connector on the PS7.
>>
>>
>>73, Joe Pyles KC9LAD
>>
>>At 08:26 AM 1/26/2018, you wrote:
>>>
>>>
>>>Vince,
>>>
>>>I use it with a TR7 which is solid state.
>>>Drake engineering was so good I am surprised
>>>that this is required on a Drake 7 series setup.
>>>
>>>Thanks, Todd
>>>-------- Original Message --------
>>>Subject: RE: [DrakeRadio] Drake L7 and Harbach soft key
>>>From: "'Vincent Lanese'
>>><mailto:mv503a@...>mv503a@... [DrakeRadio]"
>>><<mailto:DrakeRadio@yahoogroups.com> DrakeRadio@yahoogroups.com>
>>>Date: Fri, January 26, 2018 8:19 am
>>>To: <<mailto:DrakeRadio@yahoogroups.com>
>>>DrakeRadio@yahoogroups.com>, <<mailto:todd@...>todd@...>
>>>
>>>Hi Todd. It is required if you use a solid state transceiver to drive it.
>>>Regards, Vince N8MQV
>>>
>>>From:
>>><mailto:DrakeRadio@yahoogroups.com>DrakeRadio@yahoogroups.com
>>>[mailto:DrakeRadio@yahoogroups.com]
>>>Sent: Friday, January 26, 2018 7:37 AM
>>>To: <mailto:drakeradio@yahoogroups.com>drakeradio@yahoogroups.com
>>>Subject: [DrakeRadio] Drake L7 and Harbach soft key
>>>
>>>
>>>Can anyone advise me if it is a good idea to
>>>install a Harbach soft key circuit on my L7 amp? Thanks, Todd
>>
>><http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
>>[]
>>Virus-free.
>><http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>www.avg.com<x-msg://26/#DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>>
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

42770. Drake 2B Digital Display - Status Report

Yahoo group: DrakeRadio (2018)
Date: 2018-01-27 04:00:33 UTC
From: k3jls@...
Topic: 42770 Message: 42770

Hello folks.

The frequency determining logic of the display is almost 100%. I had to do some software 'gymnastics' - and add a switch - to resolve the ambiguities with the 25 Mhz crystal that serves both 21 and 28.5 Mhz, but I think I have that part done now.

In listening to 20 meters I noticed two very strong 'spurs' at 14.011 (s9) and at 14.068 (S7). There may be others elsewhere. This interference is obviously being introduced though the 2N3904 buffer circuit from the 2B's crystal oscillator circuit. I don't know if I can eliminate / attenuate it.

I'm going to take a break (this thing is addictive) for a couple of days to reset MY flip / flops, and I'll keep you posted.

I'll be getting back to those of you who had expressed interest in the Heathkit DFD-2 as this is a proven design and will be ready to ship next week.

73's - Joe - K3JLS

42772. Article on K9YA Telegraph

Yahoo group: DrakeRadio (2018)
Date: 2018-01-27 19:56:06 UTC
From: Richard Knoppow
Topic: 42772 Message: 42772

Jim Smith has written an article about his experience with B line
Drakes at:
http://www.k9ya.org
The downloads are free but you must register. You will also get an
e-mail when new issues are released.
--
Richard Knoppow
1oldlens1@...
WB6KBL

42773. Test Message

Yahoo group: DrakeRadio (2018)
Date: 2018-01-27 21:48:34 UTC
From: Richard Knoppow
Topic: 26900 Message: 42773

Sent a couple of messages which have not come back. This is a test
to see if any are getting through.
--
Richard Knoppow
1oldlens1@...
WB6KBL

42774. Re: [DrakeRadio] Test Message

Yahoo group: DrakeRadio (2018)
Date: 2018-01-27 21:52:37 UTC
From: Richard Knoppow
Topic: 26900 Message: 42774

I got it too. I sent two others about the K9YA Morse newsletter
which has an article about the B line Drakes but neither got through
here. The last one does show up on the web site. I had problems with
this computer this morning so its probably me.

On 1/27/2018 1:49 PM, Vincent Lanese wrote:
> Yes
>
> -----Original Message-----
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Sent: Saturday, January 27, 2018 4:49 PM
> To: DrakeRadio@yahoogroups.com
> Subject: [DrakeRadio] Test Message
>
> Sent a couple of messages which have not come back. This is a test to
> see if any are getting through.
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>
>
> ------------------------------------
>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42775. RE: [DrakeRadio] Article on K9YA Telegraph

Yahoo group: DrakeRadio (2018)
Date: 2018-01-27 21:56:28 UTC
From: Joe
Topic: 42772 Message: 42775

Richard, this message came through just fine!

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Saturday, January 27, 2018 11:56 AM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Article on K9YA Telegraph

Jim Smith has written an article about his experience with B line
Drakes at:
http://www.k9ya.org
The downloads are free but you must register. You will also get an
e-mail when new issues are released.
--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

42776. Re: [DrakeRadio] Test Message

Yahoo group: DrakeRadio (2018)
Date: 2018-01-27 22:20:47 UTC
From: blumu
Topic: 26900 Message: 42776

Richard, it would seem that sometimes, but not always, one's own YH postings do not come back to one's own email address. I have frequently experienced this. I rarely use YH group websites to read updates because of the requirement to log on, enter pw and wait, wait, wait. But when I have done so, usually to access files, even my own postings may appear when they don't via email - but not always :-)

Worse : sometimes postings from other members do not appear.
Comrade Murphy, what thinkest thou???

Michael 2E0IHW
.....

On Samstag, 27. 01 18 21:52, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:

>> Sent a couple of messages which have not come back. This is a test to
>> see if any are getting through.
>> Richard Knoppow
>> WB6KBL

42777. Re: [DrakeRadio] Test Message

Yahoo group: DrakeRadio (2018)
Date: 2018-01-27 22:36:14 UTC
From: Brian Smith
Topic: 26900 Message: 42777

I've noticed the same thing. I've also noticed when people post photos, it prompts me to log in. Even then, yahoo won't let me see the photos.

Brian Smith

> On Jan 27, 2018, at 4:20 PM, blumu blumu@btinternet.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Richard, it would seem that sometimes, but not always, one's own YH
> postings do not come back to one's own email address. I have frequently
> experienced this. I rarely use YH group websites to read updates
> because of the requirement to log on, enter pw and wait, wait, wait.
> But when I have done so, usually to access files, even my own postings
> may appear when they don't via email - but not always :-)
>
> Worse : sometimes postings from other members do not appear.
> Comrade Murphy, what thinkest thou???
>
> Michael 2E0IHW
> .....
>
> On Samstag, 27. 01 18 21:52, Richard Knoppow 1oldlens1@...tcom.com
> [DrakeRadio] wrote:
>
>>> Sent a couple of messages which have not come back. This is a test to
>>> see if any are getting through.
>>> Richard Knoppow
>>> WB6KBL
>
>
> ------------------------------------
>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>

42778. RE: [DrakeRadio] Test Message

Yahoo group: DrakeRadio (2018)
Date: 2018-01-27 22:41:09 UTC
From: Edward T. Tanton
Topic: 26900 Message: 42778

This one did.

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Saturday, January 27, 2018 4:49 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Test Message

Sent a couple of messages which have not come back. This is a test to
see if any are getting through.
--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

42779. Re: [DrakeRadio] Test Message

Yahoo group: DrakeRadio (2018)
Date: 2018-01-27 23:00:53 UTC
From: Richard Knoppow
Topic: 26900 Message: 42779

Thanks to all who replied. I think the problem is with my machine due to some sort of crash earlier. I just had a message filter fail due to damage to the folder. Clicked repair and it worked right. I don't know what happened but the machine was very slow this morning and the mouse froze up. I did cold boots and restarts several time and it seems to be working now. I have another machine, an old Sony still running XP which is my stand by and never fails.

On 1/27/2018 2:41 PM, 'Edward T. Tanton' n4xy@... [DrakeRadio] wrote:
> This one did.
>
> -----Original Message-----
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Sent: Saturday, January 27, 2018 4:49 PM
> To: DrakeRadio@yahoogroups.com
> Subject: [DrakeRadio] Test Message

--
Richard Knoppow
1oldlens1@...
WB6KBL

42780. RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-01-28 05:51:12 UTC
From: vk3xz@...
Topic: 42780 Message: 42780

Hi I really need the parts list for the Drake L4-B Amp . The RFC choke 5 has failed and I need a replacement? Does someone know a replacement I can use? It appears to be the same as RFC1 and RFC3 Grid chokes. RFC5 is used in the output circuit. Any one know of Replacement items and purchase details please? Cheers Mike vk3xz@tpg.com.au

42781. Re: [DrakeRadio] RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-01-28 07:13:36 UTC
From: Rory
Topic: 42780 Message: 42781

Check with Ron Wb4HFN or Mark WB0IQK also if you haven't been head over to WB4HFN website and punch up the Drake pages.

73

On Sat, Jan 27, 2018 at 9:51 PM, vk3xz@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Hi I really need the parts list for the Drake L4-B Amp . The RFC choke 5
> has failed and I need a replacement? Does someone know a replacement I can
> use? It appears to be the same as RFC1 and RFC3 Grid chokes. RFC5 is used
> in the output circuit. Any one know of Replacement items and purchase
> details please? Cheers Mike vk3xz@...
>
>
>
>

42782. File - Bi-Weekly Statement

Yahoo group: DrakeRadio (2018)
Date: 2018-01-28 08:58:45 UTC
From: DrakeRadio@yahoogroups.com
Topic: 206 Message: 42782

All group members are welcome to post on this message board, so for those that have questions please don't be shy and for those that have answers, please feel free to give advice to others. No one is 'keeping score' (I hope!)

PLEASE use the 'Reply All' function of your e-mail client so replies are posted to the list. A 'Reply' to the original poster ONLY, deprives the rest from seeing an answer, AND greatly diminishes the value of the List archives.

For those of you that have not introduced yourself we welcome you to do so and please feel free to upload your station pictures to the photos section of our group's home page, as well as links to Drake information or your homepage.

Just a word of advice for R-7 / TR-7 owners 'with a problem'. I estimate that 90% of 'failures' in these units are caused by minor oxidation of a switch, the card and/or cable connectors. Whether it's a problem that just shows up at turn-on, -OR-, after the unit has been unused for a while, DeoxIT'ing switches and just re-seating cards and connectors will often get it going again. If not, you know where we are!

73, Garey - K4OAH

42783. Re: [DrakeRadio] RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-01-28 13:48:19 UTC
From: Evan
Topic: 42780 Message: 42783

That is probably a "protection choke" that is designed to short the high voltage DC to ground should the plate blocking capacitor develop leakage or short. It is a non-critical value and just about anything that "looks like" the original should work.

If that choke has failed it might be symptomatic of a failed blocking capacitor and it too should then be replaced.

73,

Evan, K9SQG

-----Original Message-----
From: Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Sun, Jan 28, 2018 2:40 am
Subject: Re: [DrakeRadio] RFC 5 Choke in Drake L4-B Amplifier

Check with Ron Wb4HFN or Mark WB0IQK also if you haven't been head over to WB4HFN website and punch up the Drake pages.

73

On Sat, Jan 27, 2018 at 9:51 PM, vk3xz@tpg.com.au [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Hi I really need the parts list for the Drake L4-B Amp . The RFC choke 5 has failed and I need a replacement? Does someone know a replacement I can use? It appears to be the same as RFC1 and RFC3 Grid chokes. RFC5 is used in the output circuit. Any one know of Replacement items and purchase details please? Cheers Mike vk3xz@...

42784. Re: [DrakeRadio] RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-01-28 16:49:05 UTC
From: Michael Cooley
Topic: 42780 Message: 42784

This should probably work in that application...but others on here know FAR more about these things than me!
MikeW7KWQ
6302 BOURNS | Inductor Leaded

|
| |
6302 BOURNS | Inductor Leaded
Order BOURNS 6302. Competitive pricing & availability from an authorized distributor. Flat Rate Shipping &am... | |

|

On Saturday, January 27, 2018 11:04 PM, "vk3xz@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

Hi I really need the parts list for the Drake L4-B Amp . The RFC choke 5 has failed and I need a replacement? Does someone know a replacement I can use? It appears to be the same as RFC1 and RFC3 Grid chokes. RFC5 is used in the output circuit. Any one know of Replacement items and purchase details please? Cheers Mike vk3xz@...

42785. Wanted SP75, RV7, DL1000

Yahoo group: DrakeRadio (2018)
Date: 2018-01-28 20:24:28 UTC
From: <todd@...>
Topic: 42785 Message: 42785

I am in the market for some Drake accessories. The SP75 Speech Processor, RV7 remote VFO and DL1000 dummy load. Thanks, Todd

42786. Re: [DrakeRadio] RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-01-28 21:23:32 UTC
From: Michael Cooley
Topic: 42780 Message: 42786

Geez!! Sorry, I didn't even look to see that! Here's another one (on eBay) that's also going to cost a few bucks. I haven't looked for anything like these in years--I used to have boxes full of them--they're unbelievably expensive now, apparently! As usual, I seem to be in the wrong business..
Mike
 1 Piece 2.5mh choke,5% tol. 170ma. [tested] QRP RADIO, HAM RADIO | eBay

|
|
|
| $ 5.50 | |

|

|
|
| |
1 Piece 2.5mh choke,5% tol. 170ma. [tested] QRP RADIO, HAM RADIO | eBay
1 Piece 2.5mh choke,5% tol. [tested] QRP RADIO, HAM RADIO. This includes any APO/FPO/DPO destinations that are c... | |

|

|

On Sunday, January 28, 2018 11:26 AM, Mike Boudreaux <vk3xz@...> wrote:

Hi Mike,
indeed it looks as though it would work the Big issue is that there is a minimum order of 50 dollars so I cannot justify buying a 1.49 dollar part for 50 dollars!! I will keep looking for someone that sells individually I would like 3 of them. Thanks for the reply 73 Mike vk3xz

On 29/01/2018 03:49, Michael Cooley wrote:

This should probably work in that application...but others on here know FAR more about these things than me!
Mike W7KWQ
6302 BOURNS | Inductor Leaded

|
|
|
6302 BOURNS | Inductor Leaded
Order BOURNS 6302. Competitive pricing & availability from an authorized distributor. Flat Rate Shipping &am... |
|

|

On Saturday, January 27, 2018 11:04 PM, "vk3xz@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

Hi I really need the parts list for the Drake L4-B Amp . The RFC choke 5 has failed and I need a replacement? Does someone know a replacement I can use? It appears to be the same as RFC1 and RFC3 Grid chokes. RFC5 is used in the output circuit. Any one know of Replacement items and purchase details please? Cheers Mike vk3xz@...

42787. Re: [DrakeRadio] RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-01-28 22:36:16 UTC
From: Gary Woods
Topic: 42780 Message: 42787

On Sun, 28 Jan 2018 21:23:32 +0000 (UTC), you wrote:

>1 Piece 2.5mh choke,5%

Our old favorite 2.5mh choke can be had from Epay/China reasonably.
The ones I got for a project look nice and work OK.

This email has been checked for viruses by AVG.
http://www.avg.com

42788. L-4B parts

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 00:14:30 UTC
From: Stan Gammons
Topic: 42788 Message: 42788

I sent this same email yesterday, but it evidently got eaten by the Yahoo mail server.

I was wondering if anyone here has a pair of the original anode caps/heat radiators for the L-4B that you would be willing to sell? I checked with Mark at Nationwide Radio and he doesn't have any.

Thanks

73

Stan
KM4HQE

42789. Re: [DrakeRadio] L-4B parts

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 01:55:21 UTC
From: MadScientist
Topic: 42788 Message: 42789

I have a drawer full of large heatsink plate caps.

Can you send me a photo of the ones you need?

Gary

> On Jan 28, 2018, at 6:14 PM, Stan Gammons s_gammons@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I sent this same email yesterday, but it evidently got eaten by the
> Yahoo mail server.
>
> I was wondering if anyone here has a pair of the original anode
> caps/heat radiators for the L-4B that you would be willing to sell? I
> checked with Mark at Nationwide Radio and he doesn't have any.
>
> Thanks
>
> 73
>
> Stan
> KM4HQE
>
>
>

42790. Re: [DrakeRadio] L-4B parts

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 02:04:50 UTC
From: Stan Gammons
Topic: 42788 Message: 42790
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Gary,

Ones like in this pic.

73

Stan
KM4HQE

On 01/28/2018 07:55 PM, MadScientist dukeshifi@... [DrakeRadio]
wrote:
>
> I have a drawer full of large heatsink plate caps.
>
>
> Can you send me a photo of the ones you need?
>
> Gary
>
>> On Jan 28, 2018, at 6:14 PM, Stan Gammons s_gammons@...
>> <mailto:s_gammons@...> [DrakeRadio]
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>> I sent this same email yesterday, but it evidently got eaten by the
>> Yahoo mail server.
>>
>> I was wondering if anyone here has a pair of the original anode
>> caps/heat radiators for the L-4B that you would be willing to sell?   I
>> checked with Mark at Nationwide Radio and he doesn't have any.
>>
>> Thanks
>>
>> 73
>>
>> Stan
>> KM4HQE
>>
>
>

42791. AC-4 power cord

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 02:29:16 UTC
From: Stephen Thompson
Topic: 42791 Message: 42791

Just curious if anyone has ever retrofitted one of these Drake power supplies with a sturdier and potentially safer three conductor power cord and plug. I never see them on Drake equipment and have to wonder why.

Steve
K5PK

42792. Re: RFC 5 Choke in Drake L4-B Amplifier:Reply3

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 02:31:20 UTC
From: Mike Boudreaux
Topic: 42792 Message: 42792

Hi All,

Thank you I have managed to find some here in Australia At a parts supplier. 2.5mh 180ma size. Thanks to all for your help. I still need to have the parts list if one exists please. 73 Mike VK3XZ

42793. Re: [DrakeRadio] RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 02:33:06 UTC
From: vk3xz@...
Topic: 42780 Message: 42793

Hi All,
Thank you I have managed to find some here in Australia At a parts supplier. 2.5mh 180ma size. Thanks to all for your help. I still need to have the parts list if one exists please. 73 Mike VK3XZ

42794. Re: [DrakeRadio] AC-4 power cord

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 02:48:13 UTC
From: MadScientist
Topic: 42791 Message: 42794

At the time these were made, the three prong grounded plug was not required.

Now it is.

On every power supply that has two wire power cords I replace the cord with a three wire grounded cord.

This is regardless of brand.

If I need to, I open the pass through hole with a step bit and put in a larger strain relieve.

No negatives, only positives.

The only exception would be in the case in which a collectable is so precious that the modification would be regarded as desecration. In such cases, the item in question should be operated from an isolation transformer.

I once had a Viking II with a two wire plug. Someone had made a wiring error and put the chassis at ~600 VDC above ground. I got quite a surprise when I put it on my bench and touched it while connecting a scope lead…

A grounded chassis would have made that unpleasant experience impossible.

Gary

> On Jan 28, 2018, at 8:29 PM, Stephen Thompson v2positiverate@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Just curious if anyone has ever retrofitted one of these Drake power supplies with a sturdier and potentially safer three conductor power cord and plug. I never see them on Drake equipment and have to wonder why.
>
> Steve
> K5PK
>
>

42795. Re: [DrakeRadio] RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 02:32:40 UTC
From: vk3xz@...
Topic: 42780 Message: 42795

Hi All,
Thank you I have managed to find some here in Australia At a parts supplier. 2.5mh 180ma size. Thanks to all for your help. I still need to have the parts list if one exists please. 73 Mike VK3XZ

42796. 34 PNB in TR-4c

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 02:59:37 UTC
From: Gerald Reynolds
Topic: 42796 Message: 42796

My TR-4c works great. But when I switch the NB switch to ON, the audio is ‘echoey’, ‘warbley’, even when no stations close by.
Any thoughts?

Sent from my iPad

42797. Re: RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 02:36:05 UTC
From: vk3xz@...
Topic: 42780 Message: 42797

Hi All,
Thank you I have managed to find some here in Australia At a parts supplier. 2.5mh 180ma size. Thanks to all for your help. I still need to have the parts list if one exists please. 73 Mike VK3XZ

42798. Re: RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 02:35:17 UTC
From: vk3xz@...
Topic: 42780 Message: 42798

Hi All,
Thank you I have managed to find some here in Australia At a parts supplier. 2.5mh 180ma size. Thanks to all for your help. I still need to have the parts list if one exists please. 73 Mike VK3XZ

42799. Drake Series 2 Digital Display - Progress report

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 03:18:10 UTC
From: k3jls@...
Topic: 42799 Message: 42799

Folks - the code has been finalized and both the slow (10 hz) and fast (100 hz) programs work on 80, 40, 20, 15 and 10 meters. It's very accurate.

Am awaiting a 'qrp-me' proto board for the HFO buffer after which the final pictures will be taken and any spurs noted on the website: http://k3jls.net/DFD_2.html#drake http://k3jls.net/DFD_2.html#drake

I'll let you know when the 2B boards will be ready for use. I also have 5 completely assembled and tested boards e/w TCXO's that will work (when programmed) for either Heath or Drakes - - prices later.

Here's a picture of a TCXO-equipped assembled board: http://k3jls.net/latest_dfd2.jpg http://k3jls.net/latest_dfd2.jpg

http://k3jls.net/latest_dfd2.jpg

http://k3jls.net/latest_dfd2.jpg http://k3jls.net/latest_dfd2.jpg

View on k3jls.net http://k3jls.net/latest_dfd2.jpg
Preview by Yahoo

73's - Joe

42800. Re: [DrakeRadio] AC-4 power cord

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 03:27:17 UTC
From: Joe Pyles
Topic: 42791 Message: 42800

I have a very high serial number AC4 with the
110-220 volt switch and it came from drake with a
three conductor power cord. I also have an
earlier AC4 that I put a Three conductor cord on.
The 13.8 volt supplies PS7, PS75, and PS3 all
came with three conductor grounded cords.

73, Joe Pyles KC9LAD

At 09:29 PM 1/28/2018, you wrote:
>
>
>Just curious if anyone has ever retrofitted one
>of these Drake power supplies with a sturdier
>and potentially safer three conductor power cord
>and plug. I never see them on Drake equipment and have to wonder why.
>
>Steve
>K5PK
>

This email has been checked for viruses by AVG.
http://www.avg.com

42801. Re: [DrakeRadio] 34 PNB in TR-4c

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 04:33:31 UTC
From: MadScientist
Topic: 42796 Message: 42801

Has this always been this way since you obtained it or was it working properly and then failed?

What you describe might happen if the desired signal were to leak through the noise IF and trough the noise gate to mix with the desired signal..

The reason is that the 34-PNB has a delay circuit in the received 9 MHz IF signal. Its purpose is to make up for the delay in the pulse processing part of the circuit. The intent is that the pulses in the desired received signal get muted via the pulses present in the noise IF and subsequent gate.

If the thing were detuned sufficiently, the desired signal MIGHT get to the noise gate slightly out of phase from the proper signal.

It does not take much phase shift to give an echo effect…

If you have an oscilloscope, try this:

Turn o the calibrator and tune it in. Then turn on the blanker. look for presence of 9 MHz carrier at the output of the blanker and also look for 2150 KHz carrier at the base of Q11, the noise gate driver. Compare with calibrator on and off. You should NOT see the calibrator signal in the 2150 KHz IF line.

Gary

> On Jan 28, 2018, at 8:59 PM, Gerald Reynolds sawtoothmt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> My TR-4c works great. But when I switch the NB switch to ON, the audio is ‘echoey’, ‘warbley’, even when no stations close by.
> Any thoughts?
>
> Sent from my iPad
>
>

42802. Re: Wanted SP75, RV7, DL1000

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 05:08:34 UTC
From: k9plg.paul@...
Topic: 42785 Message: 42802

Good Luck - those are sort of rare items... Have never seen just a SP75 for sale by itself... I have a RV75, but it stays/goes with my TR7A.. Might also help to provide some contact details.. I see none and Yahoo groups won't show who posted this... so all I can do is reply here...

42803. Re: [DrakeRadio] Wanted SP75, RV7, DL1000

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 05:44:52 UTC
From: Stan Gammons
Topic: 42785 Message: 42803

On 01/28/2018 02:24 PM, todd@... [DrakeRadio] wrote:
>
> I am in the market for some Drake accessories. The SP75 Speech
> Processor, RV7 remote VFO and DL1000 dummy load. Thanks, Todd

There's a DL-1000 and Daiwa wattmeter on Ebay. I've no connections with
or know anything about the seller.

Good luck.

73

Stan
KM4HQE

42804. Re: [DrakeRadio] Wanted SP75, RV7, DL1000

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 05:54:43 UTC
From: Stan Gammons
Topic: 42785 Message: 42804

Oops, forgot the link
https://www.ebay.com/itm/DRAKE-MODEL-DL-1000-1Kw-Dummy-Load-With-DAIWA-CN-620B-SWR-WATTMETER-Both-Working/292425599965?hash=item4415ec8bdd:g:bp4AAOSwUd9aa8u7

On 01/28/2018 11:44 PM, Stan Gammons s_gammons@... [DrakeRadio]
wrote:
>
> On 01/28/2018 02:24 PM, todd@... [DrakeRadio] wrote:
>
>> I am in the market for some Drake accessories. The SP75 Speech
>> Processor, RV7 remote VFO and DL1000 dummy load. Thanks, Todd
>
>
> There's a DL-1000 and Daiwa wattmeter on Ebay. I've no connections
> with or know anything about the seller.
>
> Good luck.
>
> 73
>
> Stan
> KM4HQE
>
>

42805. Re: [DrakeRadio] AC-4 power cord

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 17:22:37 UTC
From: Steve Wedge
Topic: 42791 Message: 42805

Yes, the late AC4's have the voltage switch and the three-wire cord.
They're relatively rare and sell for about twice the earlier units.

On Sun, Jan 28, 2018 at 10:27 PM, Joe Pyles epyles@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:

>
>
> I have a very high serial number AC4 with the 110-220 volt switch and it
> came from drake with a three conductor power cord. I also have an earlier
> AC4 that I put a Three conductor cord on. The 13.8 volt supplies PS7, PS75,
> and PS3 all came with three conductor grounded cords.
>
> 73, Joe Pyles KC9LAD
>
>
> At 09:29 PM 1/28/2018, you wrote:
>
>
>
> Just curious if anyone has ever retrofitted one of these Drake power
> supplies with a sturdier and potentially safer three conductor power cord
> and plug. I never see them on Drake equipment and have to wonder why.
>
> Steve
> K5PK
>
>
>
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient> Virus-free.
> www.avg.com
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
> <#m_7075472213109220283_DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>
>
>

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42806. RE: [DrakeRadio] Wanted SP75, RV7, DL1000

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 18:04:24 UTC
From: <todd@...>
Topic: 42785 Message: 42806

Stan,

Thanks but he does not want to sell the DL-1000 by itself. I don't need that watt meter. I will just keep looking. 73,? Todd

-------- Original Message --------
Subject: Re: [DrakeRadio] Wanted SP75, RV7, DL1000
From: "Stan Gammons s_gammons@... [DrakeRadio]"
<DrakeRadio@yahoogroups.com>
Date: Mon, January 29, 2018 12:54 am
To: DrakeRadio@yahoogroups.com

?

Oops, forgot the link? https://www.ebay.com/itm/DRAKE-MODEL-DL-1000-1Kw-Dummy-Load-With-DAIWA-CN-620B-SWR-WATTMETER-Both-Working/292425599965?hash=item4415ec8bdd:g:bp4AAOSwUd9aa8u7

On 01/28/2018 11:44 PM, Stan Gammons s_gammons@... [DrakeRadio] wrote:

?

On 01/28/2018 02:24 PM, todd@toddsabin.com [DrakeRadio] wrote:

?

I am in the market for some Drake accessories. The SP75 Speech Processor, RV7 remote VFO and DL1000 dummy load. Thanks, Todd

There's a DL-1000 and Daiwa wattmeter on Ebay.? I've no connections with or know anything about the seller.

Good luck.

73

Stan
KM4HQE

42807. RE: [DrakeRadio] Wanted SP75, RV7, DL1000

Yahoo group: DrakeRadio (2018)
Date: 2018-01-30 02:00:44 UTC
From: Jim Shorney
Topic: 42785 Message: 42807

On Mon, 29 Jan 2018 11:04:24 -0700, todd@... [DrakeRadio] wrote:

>Stan,
>
>
>Thanks but he does not want to sell the DL-1000 by itself. I don't need that watt meter. I will just keep looking. 73, Todd

Yikes, for that price I would buy it and sell the meteer. That model meter has sold for $40 - $60 on eBay.

73

-Jim
NU0C

--
The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris, "The Doctor's Wife"

42808. Re: [DrakeRadio] L-4B parts

Yahoo group: DrakeRadio (2018)
Date: 2018-01-30 21:18:49 UTC
From: MadScientist
Topic: 42788 Message: 42808

I did look.

I have MAN large plate caps but none of the exact replacements you seek.

If you are interested in other (better) heat dissipating caps, let me know an I'll send photos.

Gary

> On Jan 28, 2018, at 8:04 PM, Stan Gammons s_gammons@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Hi Gary,
>
> Ones like in this pic.
>
> 73
>
> Stan
> KM4HQE
>
>
>
> On 01/28/2018 07:55 PM, MadScientist dukeshifi@...t <mailto:dukeshifi@...> [DrakeRadio] wrote:
>>
>> I have a drawer full of large heatsink plate caps.
>>
>>
>> Can you send me a photo of the ones you need?
>>
>> Gary
>>
>>> On Jan 28, 2018, at 6:14 PM, Stan Gammons s_gammons@... <mailto:s_gammons@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>>
>>> I sent this same email yesterday, but it evidently got eaten by the
>>> Yahoo mail server.
>>>
>>> I was wondering if anyone here has a pair of the original anode
>>> caps/heat radiators for the L-4B that you would be willing to sell? I
>>> checked with Mark at Nationwide Radio and he doesn't have any.
>>>
>>> Thanks
>>>
>>> 73

>>>
>>> Stan
>>> KM4HQE
>>>
>>>
>>
>
>
>
> <L4B-74.jpg>

42809. TR4CW

Yahoo group: DrakeRadio (2018)
Date: 2018-01-30 18:38:56 UTC
From: <w2ssx@...>
Topic: 42809 Message: 42809

Re: WTB TR4cw by w2ssx@...

42810. Re: Wanted SP75, RV7, DL1000

Yahoo group: DrakeRadio (2018)
Date: 2018-01-30 21:37:22 UTC
From: Bill
Topic: 42785 Message: 42810

I have the SP75 Speech Processor and the RV7 remote VFO
Also the CW 75 Electronic keyer.

Have no idea what they are worth, but willing to entertain selling to a good home.

They have sat in storage ever since I bought my TR7 about 6 or seven years ago. I love the radio. NOT SELLING hi hi

73
Bill
W4WCS
Sent from Mail for Windows 10

42811. Losing bias with a TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-01-30 16:20:41 UTC
From: Steve Wedge
Topic: 42811 Message: 42811

Good day, folks!

I recently bought TR-4CW with the VFO, supply and other accessories. The supply has had the Heathkit Shop upgrade.

Whilst I was quickly checking it out a couple weeks ago, I noticed the plate meter going full scale when in transmit. I quickly switched back to receive and the current stopped.

Am I correct in assuming that lossof bias voltage in the transceiver won’t affect the finals as long as it’s in receive? I haven’t traced the schematic to ensure that this is the case but some tubes are used for both.

BTW, I hooked it up to one of my known good supplies Sunday and checked into the net with no issues, so I’m thinking it’s likely either an intermittent connection to the bias supply due to bad solder, a dirty contact or an intermittent pot.

73,

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

42812. Solid state R4A AF amp conversion

Yahoo group: DrakeRadio (2018)
Date: 2018-01-30 19:45:31 UTC
From: garywinblad@...
Topic: 42812 Message: 42812

There was a thread a while back about this topic but I couldn't find it again...
That thread was about adding a fancy hi-fi amp circuit, mine is just meant to be communications
quality like original. I have added a folder to the Files area with all the details.

I have long wanted to replace the vacuum tubes in my Drakes. This is my first finished module.
It replaces the very hot 6EH5 amp tube.

Goals for the project:
1. Any thing that is not un-pluggable must be very easily removed at a later date with no trace.
2. Should allow quick replacement of the vacuum tube to allow performance comparisons.
3. Performance should be at least as good as the vacuum tube, does not necessarily have to be
better. (meaning power out, distortion, frequency response, etc., of course the heat and power consumption should be better).
4. Cost should be reasonable. I was able to do for about $2...!

I was able to find the perfect amp module on ebay from an overseas source. It uses a TDA2030
integrated circuit. I was able to mount it on a fabricated tube socket that plugs right in.

I had to add two wires to the R4A. One runs to the front panel Phone jack, allowing headphones
to disconnect the speaker and work as original. The second is a ground connection which is soldered to one of the tube socket ground lugs. Both of these added wires are passed from below chassis to the top using the hole in the center of the V7 tube socket. The wires are routed through the gap between pins 1 and 7 and up to the top of the module where they are attached to the modules screw terminals. Wires passing between the plug and socket means that the socket can not be fully pushed down, but is a minor annoyance.

I don't have lab equipment to fully test the result but sounds identical to stock to my ears. The
Drake output transformer is left in place to drive the anti-vox and receive the sidetone from the
T-4X but I haven't fully tested that out yet. Sidetone does come though is all I know. The hum
when using sensitive headphones is still there, just like R4a's always have.

In all, I am quite happy with the result. The cabinet runs MUCH cooler for sure.
73,
Gary
WB6OGD

42813. Re: [DrakeRadio] Losing bias with a TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-01-31 03:22:15 UTC
From: MadScientist
Topic: 42811 Message: 42813

It is not unlikely that the 12 pin Cinch connector for the power supply is heavily oxidized. I have seen t his many times.

Spray the flame part heavily with DeOxit or similar, then plug and unplug the connector 10 or more times to see if this fixes things.

Off course, the supply is unplugged from the outlet when you do this.

Gary

> On Jan 30, 2018, at 10:20 AM, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Good day, folks!
>
> I recently bought TR-4CW with the VFO, supply and other accessories. The supply has had the Heathkit Shop upgrade.
>
> Whilst I was quickly checking it out a couple weeks ago, I noticed the plate meter going full scale when in transmit. I quickly switched back to receive and the current stopped.
>
> Am I correct in assuming that lossof bias voltage in the transceiver won’t affect the finals as long as it’s in receive? I haven’t traced the schematic to ensure that this is the case but some tubes are used for both.
>
> BTW, I hooked it up to one of my known good supplies Sunday and checked into the net with no issues, so I’m thinking it’s likely either an intermittent connection to the bias supply due to bad solder, a dirty contact or an intermittent pot.
>
> 73,
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly sophisticated software.
>
>

42814. Re: [DrakeRadio] TR4CW

Yahoo group: DrakeRadio (2018)
Date: 2018-01-31 03:40:41 UTC
From: Whitebear1122
Topic: 42809 Message: 42814

Hi, Any interest in a beautiful Drake TR-4CW/RIT transceiver? It was refurbished by Jeff Covelli last Spring. 73, Scott WA9WFA

> On Jan 30, 2018, at 12:38 PM, w2ssx@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> Re: WTB TR4cw by w2ssx@... <mailto:w2ssx@...>
>
>

42815. Re: [DrakeRadio] TR4CW

Yahoo group: DrakeRadio (2018)
Date: 2018-01-31 03:41:12 UTC
From: Whitebear1122
Topic: 42809 Message: 42815

Oops, sorry for posting to the list. 73, Scott WA9WFA

42816. Re: RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 02:35:37 UTC
From: vk3xz@...
Topic: 42780 Message: 42816

Hi All,
Thank you I have managed to find some here in Australia At a parts supplier. 2.5mh 180ma size. Thanks to all for your help. I still need to have the parts list if one exists please. 73 Mike VK3XZ

42817. TR-4 VFO(PTO) off frequency

Yahoo group: DrakeRadio (2018)
Date: 2018-01-30 07:49:31 UTC
From: n0fqnd2@...
Topic: 42817 Message: 42817

I have a TR-4 with the RV-4 remote VFO. The main VFO would not work but, the remote did and. was dead on frequency. I opened the main VFO and replaced both the 2N3538 and 2N706, didn't help. I found the wire to the main coil had broke off the rear connection to what looks like a snap ring. This supplies the voltage for the 2N706 oscillator. I took it completely apart and resoldered the wire and reassembled it. It now works but, is off frequency by about 45 KHz on all bands. The dial is set properly to the stops to cover the full band but the VFO is off. The remote VFO works on frequency. Any ideas how to shift the VFO to put it back on frequency? I don't want to mess with the main coil unless necessary.

42818. 2B S-meter

Yahoo group: DrakeRadio (2018)
Date: 2018-01-31 09:16:50 UTC
From: fasan5@...
Topic: 42818 Message: 42818

I'm restoring a Drake 2B. With power off the S-meter is way below S 1. Is that normal? With power on the S-meter zero and calibration pots work as they should. The S-meter though seems somewhat stingy. 50 microvolts from an SG on the antenna plug give S 8 on 80 and 40 meters and S 7 on 20 meters.
Peter OZ8CTH

42819. Re: [DrakeRadio] Test Message

Yahoo group: DrakeRadio (2018)
Date: 2018-01-28 12:15:41 UTC
From: fred@...
Topic: 26900 Message: 42819

Fellow Drakesters!

Its time to do what most forward looking groups have done and can Yahoo

The move to Groups.io is easy, moves everyone and all the files and photos in the file section too

This thread would NOT exist on groups.io as it doesnt have these "problems"

Mods please move us!!

Thanks

73 Fred (who had a lot of fun over Christmas with a 2C/2NT set up)

---In DrakeRadio@yahoogroups.com, <1oldlens1@...> wrote :

Thanks to all who replied. I think the problem is with my machine
due to some sort of crash earlier. I just had a message filter fail due
to damage to the folder. Clicked repair and it worked right. I don't
know what happened but the machine was very slow this morning and the
mouse froze up. I did cold boots and restarts several time and it seems
to be working now. I have another machine, an old Sony still running XP
which is my stand by and never fails.

On 1/27/2018 2:41 PM, 'Edward T. Tanton' n4xy@... mailto:n4xy@... [DrakeRadio]
wrote:
> This one did.
>
> -----Original Message-----
> From: DrakeRadio@yahoogroups.com mailto:DrakeRadio@yahoogroups.com
[mailto:DrakeRadio@yahoogroups.com mailto:DrakeRadio@yahoogroups.com]
> Sent: Saturday, January 27, 2018 4:49 PM
> To: DrakeRadio@yahoogroups.com mailto:DrakeRadio@yahoogroups.com
> Subject: [DrakeRadio] Test Message

--
Richard Knoppow
1oldlens1@... mailto:1oldlens1@...
WB6KBL

42820. Re: [DrakeRadio] TR-4 VFO(PTO) off frequency

Yahoo group: DrakeRadio (2018)
Date: 2018-01-31 15:51:12 UTC
From: Steve Wedge
Topic: 42817 Message: 42820

Did you put the shield back on? It makes a huge difference.

On Tue, Jan 30, 2018 at 2:49 AM, n0fqnd2@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> I have a TR-4 with the RV-4 remote VFO. The main VFO would not work but,
> the remote did and. was dead on frequency. I opened the main VFO and
> replaced both the 2N3538 and 2N706, didn't help. I found the wire to the
> main coil had broke off the rear connection to what looks like a snap ring.
> This supplies the voltage for the 2N706 oscillator. I took it completely
> apart and resoldered the wire and reassembled it. It now works but, is off
> frequency by about 45 KHz on all bands. The dial is set properly to the
> stops to cover the full band but the VFO is off. The remote VFO works on
> frequency. Any ideas how to shift the VFO to put it back on frequency? I
> don't want to mess with the main coil unless necessary.
>
>
>

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42821. RE: [DrakeRadio] Test Message

Yahoo group: DrakeRadio (2018)
Date: 2018-01-31 16:31:57 UTC
From: Joe
Topic: 26900 Message: 42821

We don’t that many issues here to warrant a move. I have seen too many issues, as of yet, with the .io group. Moving images seems to be the big issue I am seeing on the groups I am on, that have made the move.

I am not the boss here, but I do hope Garey holds off on any decision to move our group. Personally, I am against any move, at this time.

Joe – W7RKN

Moderator

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Test Message

Fellow Drakesters!

Its time to do what most forward looking groups have done and can Yahoo

The move to Groups.io is easy, moves everyone and all the files and photos in the file section too

This thread would NOT exist on groups.io as it doesnt have these "problems"

Mods please move us!!

Thanks

73 Fred (who had a lot of fun over Christmas with a 2C/2NT set up)

---In DrakeRadio@yahoogroups.com, <1oldlens1@...> wrote :

Thanks to all who replied. I think the problem is with my machine
due to some sort of crash earlier. I just had a message filter fail due
to damage to the folder. Clicked repair and it worked right. I don't
know what happened but the machine was very slow this morning and the
mouse froze up. I did cold boots and restarts several time and it seems
to be working now. I have another machine, an old Sony still running XP
which is my stand by and never fails.

On 1/27/2018 2:41 PM, 'Edward T. Tanton' n4xy@... [DrakeRadio]
wrote:

> This one did.
>
> -----Original Message-----
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Sent: Saturday, January 27, 2018 4:49 PM
> To: DrakeRadio@yahoogroups.com
> Subject: [DrakeRadio] Test Message

--
Richard Knoppow
1oldlens1@...
WB6KBL

42822. Re: [DrakeRadio] Test Message

Yahoo group: DrakeRadio (2018)
Date: 2018-01-31 16:39:55 UTC
From: Barry
Topic: 26900 Message: 42822

Agreed - for the most part. The new thread, however, will be "Why can't I find my photos."

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "fred@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Sunday, January 28, 2018 6:15:41 AM
> Subject: Re: [DrakeRadio] Test Message
>
> Fellow Drakesters!
>
> Its time to do what most forward looking groups have done and can Yahoo
>
>
> The move to Groups.io is easy, moves everyone and all the files and photos
> in the file section too
>
>
> This thread would NOT exist on groups.io as it doesnt have these "problems"
>
>
> Mods please move us!!
>
>
> Thanks
>
>
>
> 73 Fred (who had a lot of fun over Christmas with a 2C/2NT set up)
>
>
>
>
>
>
> ---In DrakeRadio@yahoogroups.com, <1oldlens1@...> wrote :
>
> Thanks to all who replied. I think the problem is with my machine
> due to some sort of crash earlier. I just had a message filter fail due
> to damage to the folder. Clicked repair and it worked right. I don't
> know what happened but the machine was very slow this morning and the
> mouse froze up. I did cold boots and restarts several time and it seems
> to be working now. I have another machine, an old Sony still running XP
> which is my stand by and never fails.

>
> On 1/27/2018 2:41 PM, 'Edward T. Tanton' n4xy@... mailto:n4xy@...
> [DrakeRadio]
> wrote:
> > This one did.
> >
> > -----Original Message-----
> > From: DrakeRadio@yahoogroups.com mailto:DrakeRadio@yahoogroups.com
> > [mailto:DrakeRadio@yahoogroups.com mailto:DrakeRadio@yahoogroups.com]
> > Sent: Saturday, January 27, 2018 4:49 PM
> > To: DrakeRadio@yahoogroups.com mailto:DrakeRadio@yahoogroups.com
> > Subject: [DrakeRadio] Test Message
>
>
> --
> Richard Knoppow
> 1oldlens1@... mailto:1oldlens1@...
> WB6KBL
>
>
>

42823. Re: [DrakeRadio] L-4B parts

Yahoo group: DrakeRadio (2018)
Date: 2018-01-29 02:59:51 UTC
From: MadScientist
Topic: 42788 Message: 42823

Let mw look tomorrow morning.

Gary

> On Jan 28, 2018, at 8:04 PM, Stan Gammons s_gammons@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Hi Gary,
>
> Ones like in this pic.
>
> 73
>
> Stan
> KM4HQE
>
>
>
> On 01/28/2018 07:55 PM, MadScientist dukeshifi@... <mailto:dukeshifi@...> [DrakeRadio] wrote:
>>
>> I have a drawer full of large heatsink plate caps.
>>
>>
>> Can you send me a photo of the ones you need?
>>
>> Gary
>>
>>> On Jan 28, 2018, at 6:14 PM, Stan Gammons s_gammons@... <mailto:s_gammons@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>>
>>> I sent this same email yesterday, but it evidently got eaten by the
>>> Yahoo mail server.
>>>
>>> I was wondering if anyone here has a pair of the original anode
>>> caps/heat radiators for the L-4B that you would be willing to sell? I
>>> checked with Mark at Nationwide Radio and he doesn't have any.
>>>
>>> Thanks
>>>
>>> 73
>>>
>>> Stan
>>> KM4HQE
>>>

>>>
>>
>
>
>
> <L4B-74.jpg>

42824. DRAKE T4XB

Yahoo group: DrakeRadio (2018)
Date: 2018-01-31 15:28:11 UTC
From: wa2hso@...
Topic: 42824 Message: 42824

i am about to install 2 NOS finals into a t4xb transmitter
it only has 7-9 watts output in the tune position
plate/ant / gain control all have effect
dc voltages 690/260
bias varies from 45-70 volts
CAN SOMEONE TELL ME
what the bias voltage usually is when the unit is
operating at maybe 50% output so i have a
reference point to start from ?

john
dutton46@hotmail.com

42825. Re: [DrakeRadio] DRAKE T4XB

Yahoo group: DrakeRadio (2018)
Date: 2018-01-31 21:18:18 UTC
From: Richard Knoppow
Topic: 42824 Message: 42825

The bias is set to establish DC conditions and does not vary with
RF drive. RF affects the plate current so bias must be set with just DC
on the tubes. If the tubes have the correct plate and screen voltages
they should draw 70mA cathode current with about -55 volts on the grids
(two tubes). Its worth checking the resistors in the current measuring
circuit, including the cathode resistors at the tubes. Any variation in
these resistors will affect the accuracy of the meter. There is a fair
amount of material about this on the Drake web site and in the archives
of this list.
You can check the current by keying the transmitter in CW with the
sideband selector in the wrong (non-X) position. This will apply DC to
the tubes but not any RF drive. When installing new tubes set the bias
control for maximum bias to cut off the tubes, then back it down slowly
until the current comes up to 70Ma. After that set in Tune and see how
much output you get. I would test at 80 or 40 meters to avoid
oscillation from lack of neutralization. New tubes should give you on
the order of 140 watts out in CW on these bands.
The voltages you list below are about right. Again, set the bias
for maximum negative voltage before installing the new tubes.
I think there is a misconception about the effect of bias on
output. The amplifier is a linear amplifier and bias is set at a point
where distortion is minimized. It will have some effect on output when
RF is applied but does not vary with RF drive. However, the plate
current _does_ vary quite a bit so there is no way to tell what the
resting voltage is when drive is applied. The 70mA mark on the meter is
the target for correct bias.
If the new tubes do not restore full output there is some other
problem. Since the DC voltages are correct I would do a complete
alignment since any mistuning will reduce output. Also, the driver tube
may be weak or a tube in another stage. Alignment will provide a clue as
to where the problem is and may fix the low output.

On 1/31/2018 7:28 AM, wa2hso@... [DrakeRadio] wrote:
>
>
> i am about to install 2 NOS finals into a t4xb transmitter
> it only has 7-9 watts output in the tune position
> plate/ant / gain control all have effect
> dc voltages 690/260
> bias varies from 45-70 volts
> CAN SOMEONE TELL ME
> what the bias voltage usually is? when the unit is
> operating at maybe 50% output so i have a
> reference point to start from ?
>

> john
> dutton46@...
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42826. Re: [DrakeRadio] Test Message

Yahoo group: DrakeRadio (2018)
Date: 2018-02-01 01:00:16 UTC
From: Richard Knoppow
Topic: 26900 Message: 42826

I belong to several Yahoo mailing lists. A couple have moved. The move was pretty seamless, I just wrote new filters for my machine. I do not use Yahoo's web site much, mostly I have mailing list traffic forwarded to my e-mail and read it using Thunderbird. I have not, for the most part, had any problems. Its hard to know what to suggest, many have reported problems with Yahoo, I don't know if this is mainly with their web site or with forwarded e-mail. If the former I may simply not be aware of it. In any case, if its decided to migrate the Drake list I will do as I have with the others and just write a new filter.

On 1/31/2018 8:31 AM, Joe w7rkn.7@... [DrakeRadio] wrote:
>
>
> We don?t that many issues here to warrant a move.? I have seen too many
> issues, as of yet, with the .io group.? Moving images seems to be the
> big issue I am seeing on the groups I am on, that have made the move.
>
> I am not the boss here, but I do hope Garey holds off on any decision to
> move our group.? Personally, I am against any move, at this time.
>
> Joe ? W7RKN
>
> Moderator
>
> *From:*DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> *Subject:* Re: [DrakeRadio] Test Message
>
>
>
> Fellow Drakesters!
>
> Its time to do what most forward looking groups have done and can Yahoo
>
> The move to Groups.io is easy, moves everyone and all the files and
> photos in the file section too
>
> This thread would NOT exist on groups.io as it doesnt have these "problems"
>
> Mods please move us!!
>
>
>
> Thanks
>
> 73 Fred (who had a lot of fun over Christmas with a 2C/2NT set up)

>
>
>
> ---In DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>,
> <1oldlens1@... <mailto:1oldlens1@...>> wrote :
>
> Thanks to all who replied. I think the problem is with my machine
> due to some sort of crash earlier. I just had a message filter fail due
> to damage to the folder. Clicked repair and it worked right. I don't
> know what happened but the machine was very slow this morning and the
> mouse froze up. I did cold boots and restarts several time and it seems
> to be working now. I have another machine, an old Sony still running XP
> which is my stand by and never fails.
>
> On 1/27/2018 2:41 PM, 'Edward T. Tanton' n4xy@... <mailto:n4xy@...>
> [DrakeRadio]
> wrote:
>
> > This one did.
> >
> > -----Original Message-----
> > From: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
> [mailto:DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>]
> > Sent: Saturday, January 27, 2018 4:49 PM
> > To: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
> > Subject: [DrakeRadio] Test Message
>
>
>
> --
> Richard Knoppow
> 1oldlens1@... <mailto:1oldlens1@...>
> WB6KBL
>
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>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42827. Re: [DrakeRadio] DRAKE T4XB

Yahoo group: DrakeRadio (2018)
Date: 2018-02-01 12:50:32 UTC
From: Steve Wedge
Topic: 42824 Message: 42827

John, waqs the transmitter outputting any power with the old finals? As Rich has said, the problem is likely elsewhere if you had no/low output with the old finals. Is the problem apparent on all bands? Is this a formerly working set that you've owned for a while or recently-acquired?

73 / GL,

On Wed, Jan 31, 2018 at 4:18 PM, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

> The bias is set to establish DC conditions and does not vary with
> RF drive. RF affects the plate current so bias must be set with just DC
> on the tubes. If the tubes have the correct plate and screen voltages
> they should draw 70mA cathode current with about -55 volts on the grids
> (two tubes). Its worth checking the resistors in the current measuring
> circuit, including the cathode resistors at the tubes. Any variation in
> these resistors will affect the accuracy of the meter. There is a fair
> amount of material about this on the Drake web site and in the archives
> of this list.
> You can check the current by keying the transmitter in CW with the
> sideband selector in the wrong (non-X) position. This will apply DC to
> the tubes but not any RF drive. When installing new tubes set the bias
> control for maximum bias to cut off the tubes, then back it down slowly
> until the current comes up to 70Ma. After that set in Tune and see how
> much output you get. I would test at 80 or 40 meters to avoid
> oscillation from lack of neutralization. New tubes should give you on
> the order of 140 watts out in CW on these bands.
> The voltages you list below are about right. Again, set the bias
> for maximum negative voltage before installing the new tubes.
> I think there is a misconception about the effect of bias on
> output. The amplifier is a linear amplifier and bias is set at a point
> where distortion is minimized. It will have some effect on output when
> RF is applied but does not vary with RF drive. However, the plate
> current _does_ vary quite a bit so there is no way to tell what the
> resting voltage is when drive is applied. The 70mA mark on the meter is
> the target for correct bias.
> If the new tubes do not restore full output there is some other
> problem. Since the DC voltages are correct I would do a complete
> alignment since any mistuning will reduce output. Also, the driver tube
> may be weak or a tube in another stage. Alignment will provide a clue as
> to where the problem is and may fix the low output.
>
> On 1/31/2018 7:28 AM, wa2hso@... [DrakeRadio] wrote:
> >
> >
> > i am about to install 2 NOS finals into a t4xb transmitter

> > it only has 7-9 watts output in the tune position
> > plate/ant / gain control all have effect
> > dc voltages 690/260
> > bias varies from 45-70 volts
> > CAN SOMEONE TELL ME
> > what the bias voltage usually is when the unit is
> > operating at maybe 50% output so i have a
> > reference point to start from ?
> >
> > john
> > dutton46@...
> >
> >
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>
>
> ------------------------------------
>
> ------------------------------------
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>
> Yahoo Groups Links
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>

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42828. Re: [DrakeRadio] DRAKE T4XB

Yahoo group: DrakeRadio (2018)
Date: 2018-02-01 13:40:17 UTC
From: Louis Giovannetti
Topic: 42824 Message: 42828

This T-4XB is mine John is helping me repair it.The rig was working fine and started to loose power rapidly I put it in storage (clean and dry storage) and took it out to see if I can get it back on the air.I think the tubes 6JB6's were weak when I got the rig back in 2004. It never rally put out a full 100 watts. 80-90 watts max at that time

On Thursday, February 1, 2018 7:51 AM, "Steve Wedge steve27302@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

John, waqs the transmitter outputting any power with the old finals? As Rich has said, the problem is likely elsewhere if you had no/low output with the old finals. Is the problem apparent on all bands? Is this a formerly working set that you've owned for a while or recently-acquired?
73 / GL,
On Wed, Jan 31, 2018 at 4:18 PM, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

The bias is set to establish DC conditions and does not vary with RF drive. RF affects the plate current so bias must be set with just DC on the tubes. If the tubes have the correct plate and screen voltages they should draw 70mA cathode current with about -55 volts on the grids (two tubes). Its worth checking the resistors in the current measuring circuit, including the cathode resistors at the tubes. Any variation in these resistors will affect the accuracy of the meter. There is a fair amount of material about this on the Drake web site and in the archives of this list.

You can check the current by keying the transmitter in CW with the sideband selector in the wrong (non-X) position. This will apply DC to the tubes but not any RF drive. When installing new tubes set the bias control for maximum bias to cut off the tubes, then back it down slowly until the current comes up to 70Ma. After that set in Tune and see how much output you get. I would test at 80 or 40 meters to avoid oscillation from lack of neutralization. New tubes should give you on the order of 140 watts out in CW on these bands.

The voltages you list below are about right. Again, set the bias for maximum negative voltage before installing the new tubes.

I think there is a misconception about the effect of bias on output. The amplifier is a linear amplifier and bias is set at a point where distortion is minimized. It will have some effect on output when RF is applied but does not vary with RF drive. However, the plate current _does_ vary quite a bit so there is no way to tell what the resting voltage is when drive is applied. The 70mA mark on the meter is the target for correct bias.

If the new tubes do not restore full output there is some other problem. Since the DC voltages are correct I would do a complete alignment since any mistuning will reduce output. Also, the driver tube may be weak or a tube in another stage. Alignment will provide a clue as

to where the problem is and may fix the low output.

On 1/31/2018 7:28 AM, wa2hso@... [DrakeRadio] wrote:
>
>
> i am about to install 2 NOS finals into a t4xb transmitter
> it only has 7-9 watts output in the tune position
> plate/ant / gain control all have effect
> dc voltages 690/260
> bias varies from 45-70 volts
> CAN SOMEONE TELL ME
> what the bias voltage usually is when the unit is
> operating at maybe 50% output so i have a
> reference point to start from ?
>
> john
> dutton46@...
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

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Yahoo Groups Links

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Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42829. TR7 Microphone Question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-01 15:35:04 UTC
From: <todd@...>
Topic: 42829 Message: 42829

I have a Drake 7077 mic that works fine on my TR7's but I had a nice D-104 (I like the appearance, it does not have the preamp board in the base) that I was not using and decided to do some modifications and try it. I bought a Electret condenser microphone element on Ebay that came with the 9v battery hook up and regulator.I wired the audio to pin 1, transmitter keyer pin 2 and ground to pin 3.? I am told the audio is very thin with almost no lows or mid range. Any ideas on fixing this problem other than giving up. Thanks, Todd

42830. Pre estate sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-01 19:39:53 UTC
From: KA9EGW
Topic: 42830 Message: 42830

New much smaller qth forces sale of some of my toys and projects...
Drake: R4B, T4XB, R4C, T4XC
Hallicrafters: HT40 HT32 HT37 (2 ea)
Heath: HA-10 good iron new Taylor tubes, DX40 (2 ea)
Eldico: Twins with matching SWR meter, SSB100 with new spare CRT
Collins: 30L-1/Harbach PS + NOS Cetrons, R-388, R-390A
Johnson: Viking II (2ea), KW MB
B&W: 6100
National: HRO-60
Plus I'm not sure what all else

Offers on the entire lot welcomed, and preferred, all offers entertained.
73, Brian KA9EGW

42831. Re: [DrakeRadio] Pre estate sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-01 22:32:54 UTC
From: Steve Wedge
Topic: 42830 Message: 42831

Sounds like you'll be removing a lot of mass from your shack, Brian!

As someone who just also downsized quipment count, I know how you feel. I do, however, still retain a B-line and a TR-4CW...

On Thu, Feb 1, 2018 at 2:39 PM, KA9EGW ka9egw@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> New much smaller qth forces sale of some of my toys and projects...
> Drake: R4B, T4XB, R4C, T4XC
> Hallicrafters: HT40 HT32 HT37 (2 ea)
> Heath: HA-10 good iron new Taylor tubes, DX40 (2 ea)
> Eldico: Twins with matching SWR meter, SSB100 with new spare CRT
> Collins: 30L-1/Harbach PS + NOS Cetrons, R-388, R-390A
> Johnson: Viking II (2ea), KW MB
> B&W: 6100
> National: HRO-60
> Plus I'm not sure what all else
>
> Offers on the entire lot welcomed, and preferred, all offers entertained.
> 73, Brian KA9EGW
>
>

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42832. Re: [DrakeRadio] Pre estate sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-01 23:01:33 UTC
From: Richard Knoppow
Topic: 42830 Message: 42832

You have my sympathies, I hate having to sell stuff.

On 2/1/2018 2:32 PM, Steve Wedge steve27302@... [DrakeRadio] wrote:
>
>
> Sounds like you'll be removing a lot of mass from your shack, Brian!
>
> As someone who just also downsized quipment count, I know how you feel.
> I do, however, still retain a B-line and a TR-4CW...
>
>
--
Richard Knoppow
1oldlens1@...
WB6KBL

42833. Re: [DrakeRadio] DRAKE T4XB

Yahoo group: DrakeRadio (2018)
Date: 2018-02-01 23:09:32 UTC
From: Richard Knoppow
Topic: 42824 Message: 42833

I'm glad you are getting some help. Sometimes problems that seem
very mysterious by description turn out to be simple when you can
actually look at things.
In general, but not always, when tubes get weak the power drop is
proportional to frequency, i.e. less power as the frequency gets higher.
(I think this is gramatically correct).
Somewhere Garrey Barrell posted a chart of power output for T4 and
TR4s. In CW and at 40 meters the output is about 70 watts per tube,
this falls off with frequency. Power in Tune is less because the tube
voltages are changed a little and in SSB the ALC limits power out to
about 125 to 130 watts.
Good luck with this thing.

On 2/1/2018 5:40 AM, Louis Giovannetti kb2dhg@... [DrakeRadio]
wrote:
>
>
> This T-4XB is mine John is helping me repair it.
> The rig was working fine and started to loose power rapidly I put it in
> storage (clean and dry storage) and took it out to see if I can get it
> back on the air.
> I think the tubes 6JB6's were weak when I got the rig back in 2004. It
> never rally put out a full 100 watts. 80-90 watts max at that time
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42834. Overwhelming

Yahoo group: DrakeRadio (2018)
Date: 2018-02-01 23:32:58 UTC
From: KA9EGW
Topic: 42834 Message: 42834

Due to the overwhelming response I’m going to need a few days to photograph everything etc. Not to waste list bandwidth I will post pics somewhere and a link here.
73, Brian KA9EGW

Sent from my device that creates typos

42835. Re: Overwhelming

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 00:30:49 UTC
From: w7rkn.7@...
Topic: 42834 Message: 42835

Feel free to post the images here. (As long as there aren't 200 images! <<GRIN>>

Joe - W7RKN
Moderator

42836. Odds and ends for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 00:51:22 UTC
From: Steve Wedge
Topic: 42836 Message: 42836

(1) Shure 444 desk mic. Keys the rig but no audio. Could be dirty contacts. Cosmetically nice. Has the correct size plug on the end. $35 + shipping.

(1) Turner 254 (High-Z). Brushed stainless. No cord so condition unknown. Cool-looking mic with the "gladiator" fin on top. $20 + shipping

(1) Turner 251 Dynamic. Has a 1/4" plug on the end. Untested. Slightly better-looking than the 254. $20 + shipping

Heathkit GD-18 grid dip meter with all the coils in their original box. Works. $25 + shipping

Fluke 1910A frequency counter. Intermittently stops counting but is accurate when it's working. $20 + shipping

HP 5315A counter. Works but someone replaced the timebase. $25 + shipping.

Package deals available. What interests you?

I'll have some more Drake stuff in a week or two.

73,

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42837. Re: [DrakeRadio] Odds and ends for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 01:40:07 UTC
From: Lacera DeWilde
Topic: 42836 Message: 42837

Ill take the heathkit grid dip meter. Let me know the details.

_____
From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Thursday, February 1, 2018 7:51 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Odds and ends for sale

(1) Shure 444 desk mic. Keys the rig but no audio. Could be dirty contacts. Cosmetically nice. Has the correct size plug on the end. $35 + shipping.

(1) Turner 254 (High-Z). Brushed stainless. No cord so condition unknown. Cool-looking mic with the "gladiator" fin on top. $20 + shipping

(1) Turner 251 Dynamic. Has a 1/4" plug on the end. Untested. Slightly better-looking than the 254. $20 + shipping

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HP 5315A counter. Works but someone replaced the timebase. $25 + shipping.

Package deals available. What interests you?

I'll have some more Drake stuff in a week or two.

73,

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42838. Re: [DrakeRadio] Odds and ends for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 01:49:18 UTC
From: Lacera DeWilde
Topic: 42836 Message: 42838

Nevermind. Wrong model grid dip meter.

From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of Lacera DeWilde ladewilde@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Thursday, February 1, 2018 8:40 PM
To: Steve Wedge steve27302@gmail.com [DrakeRadio]; Steve Wedge
Subject: Re: [DrakeRadio] Odds and ends for sale

Ill take the heathkit grid dip meter. Let me know the details.

From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Thursday, February 1, 2018 7:51 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Odds and ends for sale

(1) Shure 444 desk mic. Keys the rig but no audio. Could be dirty contacts. Cosmetically nice. Has the correct size plug on the end. $35 + shipping.

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Package deals available. What interests you?

I'll have some more Drake stuff in a week or two.

73,

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42839. Odds and ends

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 03:03:20 UTC
From: Steve Wedge
Topic: 41283 Message: 42839

The HP counter and the grid dip meter are pending.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

42840. L-7 Fan Speed Control

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 04:18:39 UTC
From: Torrey Mitchell
Topic: 42840 Message: 42840

I just received a very nice Drake L-7 amplifier from the estate of a friend recently SK. It works well in every respect. SN about 1100. When I first turned it on, I was appalled by the loud noise of the fan. I blows so hard, that it almost blows papers off a nearby bulletin board.

I checked inside and found that the 470-ohm voltage drop resistor and the thermostat are not present. I wonder why this is.were they omitted in later versions? They are present on the schematic I have. I have another L-7 with SN about 400. Its fan is very quiet and only blows loudly when pushing it hard. So, the thermostat circuit is important for my sanity.

Can anyone help me source the thermostat? The resistor should not be a problem.

Thanks and 73,

Torrey N9PY

42841. Re: [DrakeRadio] L-7 Fan Speed Control

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 04:37:34 UTC
From: Evan
Topic: 42840 Message: 42841

Torrey,

That thermostat and resistor were in all production runs of the L7 linear amplifier, to the best of my knowledge, for all the amps sold in this country and exported overseas. You might want to look into the amp to see if that fan is original. In high speed (thermostat shorting/bypassig the series dropping resistor) the fan is louder but I wouldn't characterize it as being excessively loud or having the exhaust speed being that great. Somebody has modified the amp and for reasons that will never be known.

If my memory serves me properly, which isn't always the case hi hi, it seems like I remember the thermostat having a trip point of 130 deg F, with normally open contacts. You can approximate what the traits are by (1) removing the thermostat in your other L7, hooking up an ohmmeter, and put the thermostat in a pot of water being heated on the stove with a meat thermometer to monitor the temperature, or (2) run your good L7 and monitor the outlet temperature and see when the fan kicks into high speed. These are only approximates but should serve as a general guide.

Over the years I've seen similar thermostats at Surplus Sales of Nebraska, Henry Radio, and eBay. I'm sure some experts out there could tell you where to get an original.

73,

Evan, K9SQG

-----Original Message-----
From: 'Torrey Mitchell' torreym@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Thu, Feb 1, 2018 11:25 pm
Subject: [DrakeRadio] L-7 Fan Speed Control

I just received a very nice Drake L-7 amplifier from the estate of a friend recently SK. It works well in every respect. SN about 1100. When I first turned it on, I was appalled by the loud noise of the fan. I blows so hard, that it almost blows papers off a nearby bulletin board.

I checked inside and found that the 470-ohm voltage drop resistor and the thermostat are not present. I wonder why this is…were they omitted in later versions? They are present on the schematic I have. I have another L-7 with SN about 400. Its fan is very quiet and only blows loudly when p ushing it hard. So, the thermostat circuit is important for my sanity.

Can anyone help me source the thermostat? The resistor should not be a problem.

Thanks and 73,

Torrey N9PY

42842. Re: [DrakeRadio] Odds and ends for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 09:49:06 UTC
From: armando martins
Topic: 42836 Message: 42842

Hi Steve I will have the GD-18 grid dip meter, could you please find out
the postage to UK and let me know
Regards
Martins M0PAM

On Fri, 2/2/18, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:

Subject: [DrakeRadio] Odds and ends for sale
To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>
Date: Friday, 2 February, 2018, 0:51

(1) Shure 444 desk mic. Keys
the rig but no audio. Could be dirty contacts.
Cosmetically nice. Has the correct size plug on the end.
$35 + shipping.
(1) Turner
254 (High-Z). Brushed stainless. No cord so condition
unknown. Cool-looking mic with the "gladiator"
fin on top. $20 + shipping
(1) Turner 251 Dynamic. Has a
1/4" plug on the end. Untested. Slightly
better-looking than the 254. $20 + shipping
Heathkit GD-18 grid dip meter with
all the coils in their original box. Works. $25 +
shipping
Fluke 1910A
frequency counter. Intermittently stops counting but is
accurate when it's working. $20 +
shipping
HP 5315A
counter. Works but someone replaced the timebase. $25 +
shipping.
Package
deals available. What interests you?
I'll have some more Drake stuff
in a week or two.
73,

--
Steve Wedge, W1ES/4

Time flies like an arrow;
fruit flies like a banana.

42843. R4 age

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 12:38:41 UTC
From: bsa0791@...
Topic: 42843 Message: 42843

Does anyone know the approximate years the R4 was manufactured? What was the final year of the r4c?

kb4mng

42844. Re: [DrakeRadio] Odds and ends for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 12:43:51 UTC
From: Louis Giovannetti
Topic: 42836 Message: 42844

I would be interested in the DRAKE stuff.

On Thursday, February 1, 2018 7:51 PM, "Steve Wedge steve27302@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

  (1) Shure 444 desk mic. Keys the rig but no audio. Could be dirty contacts. Cosmetically nice. Has the correct size plug on the end. $35 + shipping.
(1) Turner 254 (High-Z). Brushed stainless. No cord so condition unknown. Cool-looking mic with the "gladiator" fin on top. $20 + shipping
(1) Turner 251 Dynamic. Has a 1/4" plug on the end. Untested. Slightly better-looking than the 254. $20 + shipping
Heathkit GD-18 grid dip meter with all the coils in their original box. Works. $25 + shipping
Fluke 1910A frequency counter. Intermittently stops counting but is accurate when it's working. $20 + shipping
HP 5315A counter. Works but someone replaced the timebase. $25 + shipping.
Package deals available. What interests you?
I'll have some more Drake stuff in a week or two.
73,

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42845. Re: [DrakeRadio] Pre estate sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 12:47:59 UTC
From: Louis Giovannetti
Topic: 42830 Message: 42845

How much for the T-4XB?

On Thursday, February 1, 2018 5:34 PM, "Steve Wedge steve27302@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

  Sounds like you'll be removing a lot of mass from your shack, Brian!
As someone who just also downsized quipment count, I know how you feel. I do, however, still retain a B-line and a TR-4CW...
On Thu, Feb 1, 2018 at 2:39 PM, KA9EGW ka9egw@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

  New much smaller qth forces sale of some of my toys and projects....
Drake: R4B, T4XB, R4C, T4XC
Hallicrafters: HT40 HT32 HT37 (2 ea)
Heath: HA-10 good iron new Taylor tubes, DX40 (2 ea)
Eldico: Twins with matching SWR meter, SSB100 with new spare CRT
Collins: 30L-1/Harbach PS + NOS Cetrons, R-388, R-390A
Johnson: Viking II (2ea), KW MB
B&W: 6100
National: HRO-60
Plus I'm not sure what all else

Offers on the entire lot welcomed, and preferred, all offers entertained.
73, Brian KA9EGW

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42846. RE: [DrakeRadio] Re: Wanted SP75, RV7, DL1000

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 12:54:30 UTC
From: <todd@...>
Topic: 42785 Message: 42846

Bill,

For some reason I did not get the message you sent me. I just ran across it now. I am very interested. Please come?up with a price and email it to me.

My email is todd@...

Thanks and 73, Todd? K1TOD

-------- Original Message --------
Subject: [DrakeRadio] Re: Wanted SP75, RV7, DL1000
From: "Bill billnopic@yahoo.com [DrakeRadio]"
<DrakeRadio@yahoogroups.com>
Date: Tue, January 30, 2018 4:37 pm
To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>

?

I have the SP75 Speech Processor and the ?RV7 remote VFO
Also the CW 75 Electronic keyer.
?
Have no idea what they are worth, but willing to entertain selling to? a good home.

They have sat in storage ever since I bought my TR7 about 6 or seven years ago. I love the radio. NOT SELLING hi hi
?
73
Bill
W4WCS
Sent from Mail (https://go.microsoft.com/fwlink/?LinkId=550986) for Windows 10
?

42847. Re: [DrakeRadio] R4 age

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 13:17:22 UTC
From: Jeffrey Angus
Topic: 42843 Message: 42847

On 2/2/18 6:38 AM, bsa0791@... [DrakeRadio] wrote:
> Does anyone know the approximate years the R4 was
> manufactured? What was the final year of the r4c?
According to this:
<http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
The R-4 was made in 1965
The R-4A was made from 1965-1967
The R-4B was made from 1967-1973
The R-4C was made from 1973-1979

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42848. Re: [DrakeRadio] R4 age

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 13:28:30 UTC
From: Stan Gammons
Topic: 42843 Message: 42848

Take a look at this page. http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-Menu.htm

Ron's website is a great resource for Drake gear.

73

Stan
KM4HQE

On February 2, 2018 6:38:41 AM CST, "bsa0791@... [DrakeRadio]"
<DrakeRadio@yahoogroups.com> wrote:
>Does anyone know the approximate years the R4 was manufactured? What
>was the final year of the r4c?
>
>
> kb4mng

42849. Re: [DrakeRadio] R4 age

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 14:41:16 UTC
From: blumu
Topic: 42843 Message: 42849

Helpful info, Jeff!

According to http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm,
mine is 12582 G, so between May and October 1970,
if intrapolation applies. Is this valid?

Michael 2E0IHW
.....

On Freitag, 2. 02 18 13:17, Jeffrey Angus jdangus@... [DrakeRadio]
wrote:
> On 2/2/18 6:38 AM, bsa0791@... [DrakeRadio] wrote:
> > Does anyone know the approximate years the R4 was
> > manufactured? What was the final year of the r4c?

> According to this:
> <http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>

> The R-4 was made in 1965
> The R-4A was made from 1965-1967
> The R-4B was made from 1967-1973
> The R-4C was made from 1973-1979

42850. Re: [DrakeRadio] Odds and ends for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 14:47:52 UTC
From: Lacera DeWilde
Topic: 42836 Message: 42850

I will pass on the grid dip. It not the model I want. Thanks
Lacey
K4LCY

From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of Louis Giovannetti kb2dhg@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Friday, February 2, 2018 7:43 AM
To: DrakeRadio@yahoogroups.com; Steve Wedge
Subject: Re: [DrakeRadio] Odds and ends for sale

I would be interested in the DRAKE stuff.

On Thursday, February 1, 2018 7:51 PM, "Steve Wedge steve27302@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

(1) Shure 444 desk mic. Keys the rig but no audio. Could be dirty contacts. Cosmetically nice. Has the correct size plug on the end. $35 + shipping.

(1) Turner 254 (High-Z). Brushed stainless. No cord so condition unknown. Cool-looking mic with the "gladiator" fin on top. $20 + shipping

(1) Turner 251 Dynamic. Has a 1/4" plug on the end. Untested. Slightly better-looking than the 254. $20 + shipping

Heathkit GD-18 grid dip meter with all the coils in their original box. Works. $25 + shipping

Fluke 1910A frequency counter. Intermittently stops counting but is accurate when it's working. $20 + shipping

HP 5315A counter. Works but someone replaced the timebase. $25 + shipping.

Package deals available. What interests you?

I'll have some more Drake stuff in a week or two.

73,

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42851. Re: [DrakeRadio] Odds and ends for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 14:55:50 UTC
From: Barry
Topic: 42836 Message: 42851

Hi Steve,

Is that a Heathkit GD-1B instead of a GD-18?

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Steve Wedge steve27302@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Thursday, February 1, 2018 6:51:22 PM
> Subject: [DrakeRadio] Odds and ends for sale
>
> (1) Shure 444 desk mic. Keys the rig but no audio. Could be dirty
> contacts. Cosmetically nice. Has the correct size plug on the end. $35 +
> shipping.
>
> (1) Turner 254 (High-Z). Brushed stainless. No cord so condition
> unknown. Cool-looking mic with the "gladiator" fin on top. $20 + shipping
>
> (1) Turner 251 Dynamic. Has a 1/4" plug on the end. Untested. Slightly
> better-looking than the 254. $20 + shipping
>
> Heathkit GD-18 grid dip meter with all the coils in their original box.
> Works. $25 + shipping
>
> Fluke 1910A frequency counter. Intermittently stops counting but is
> accurate when it's working. $20 + shipping
>
> HP 5315A counter. Works but someone replaced the timebase. $25 + shipping.
>
> Package deals available. What interests you?
>
> I'll have some more Drake stuff in a week or two.
>
> 73,
>
> --
> Steve Wedge, W1ES/4
>
> Time flies like an arrow; fruit flies like a banana.
>

42852. Re: [DrakeRadio] R4 age

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 16:04:18 UTC
From: VE7PS
Topic: 42843 Message: 42852

Hard to beat the info in Ron's database for pinpointing your production date, but this drawing by JM Cherry on Sindre Torp's (LA6OP) website at www.drakemuseum.com is pretty handy for giving you the beginning year of production, and infers end of production year for many models by looking at the subsequent model year of manufacture.

Sindre's website is a "work-in progress" but there is some interesting stuff on there you won't find elsewhere.

73
Peter
VE7PS

On 2/2/2018 5:17 AM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
>
> On 2/2/18 6:38 AM, bsa0791@... [DrakeRadio] wrote:
> > Does anyone know the approximate years the R4 was
> > manufactured? What was the final year of the r4c?
> According to this:
> <http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
> The R-4 was made in 1965
> The R-4A was made from 1965-1967
> The R-4B was made from 1967-1973
> The R-4C was made from 1973-1979
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

42853. Re: [DrakeRadio] R4 age

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 16:06:03 UTC
From: VE7PS
Topic: 42843 Message: 42853

So much for the drawing - thanks yahoo!

It's on the front page of the drakemuseum.com website.

73
Peter
VE7PS

On 2/2/2018 8:04 AM, VE7PS ve7ps@... [DrakeRadio] wrote:
>
>
> Hard to beat the info in Ron's database for pinpointing your
> production date, but this drawing by JM Cherry on Sindre Torp's
> (LA6OP) website at www.drakemuseum.com is pretty handy for giving you
> the beginning year of production, and infers end of production year
> for many models by looking at the subsequent model year of manufacture.
>
> Sindre's website is a "work-in progress" but there is some interesting
> stuff on there you won't find elsewhere.
>
> 73
> Peter
> VE7PS
>
>
>
> On 2/2/2018 5:17 AM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
>>
>> On 2/2/18 6:38 AM, bsa0791@... [DrakeRadio] wrote:
>> > Does anyone know the approximate years the R4 was
>> > manufactured? What was the final year of the r4c?
>> According to this:
>> <http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
>> The R-4 was made in 1965
>> The R-4A was made from 1965-1967
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>> The R-4C was made from 1973-1979
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>> --
>> "I am a river to my people."
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>>
>
>

> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
> Virus-free. www.avg.com
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
>
>
> <#DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>

This email has been checked for viruses by AVG.
http://www.avg.com

42854. Re: [DrakeRadio] L-7 Fan Speed Control

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 16:08:34 UTC
From: amfone
Topic: 42840 Message: 42854

A Drake repair guy told me the worst thing with the L7 was the thermostaticaly controled fan, pull it out and run in on high speed all the time. That is probabley what happend the owner pulled it out.

On Thursday, February 1, 2018, 11:37:43 PM EST, Evan k9sqg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Torrey,

That thermostat and resistor were in all production runs of the L7 linear amplifier, to the best of my knowledge, for all the amps sold in this country and exported overseas. You might want to look into the amp to see if that fan is original. In high speed (thermostat shorting/bypassig the series dropping resistor) the fan is louder but I wouldn't characterize it as being excessively loud or having the exhaust speed being that great.
 Somebody has modified the amp and for reasons that will never be known.
If my memory serves me properly, which isn't always the case hi hi, it seems like I remember the thermostat having a trip point of 130 deg F, with normally open contacts. You can approximate what the traits are by (1) removing the thermostat in your other L7, hooking up an ohmmeter, and put the thermostat in a pot of water being heated on the stove with a meat thermometer to monitor the temperature, or (2) run your good L7 and monitor the outlet temperature and see when the fan kicks into high speed. These are only approximates but should serve as a general guide.
Over the years I've seen similar thermostats at Surplus Sales of Nebraska, Henry Radio, and eBay. I'm sure some experts out there could tell you where to get an original.
73,
Evan, K9SQG

-----Original Message-----
From: 'Torrey Mitchell' torreym@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Thu, Feb 1, 2018 11:25 pm
Subject: [DrakeRadio] L-7 Fan Speed Control

  I just received a very nice Drake L-7 amplifier from the estate of a friend recently SK. It works well in every respect. SN about 1100. When I first turned it on, I was appalled by the loud noise of the fan. I blows so hard, that it almost blows papers off a nearby bulletin board. I checked inside and found that the 470-ohm voltage drop resistor and the thermostat are not present. I wonder why this is…were they omitted in later versions? They are present on the schematic I have. I have another L-7 with SN about 400. Its fan is very quiet and only blows loudly when p ushing it hard. So, the thermostat circuit is important for my sanity. Can anyone help me source the thermostat? The resistor should not be a problem. Thanks and 73, Torrey N9PY

42855. RE: [DrakeRadio] R4 age

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 16:09:17 UTC
From: Joe
Topic: 42843 Message: 42855

????

Came through fine here! Check your settings in your email client??

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] R4 age

So much for the drawing - thanks yahoo!

It's on the front page of the drakemuseum.com website.

73
Peter
VE7PS

On 2/2/2018 8:04 AM, VE7PS ve7ps@... [DrakeRadio] wrote:

<http://www.drakemuseum.com/index-filer/image569.jpg>
<http://www.drakemuseum.com/index-filer/image569.jpg> Hard to beat the info in Ron's database for pinpointing your production date, but this drawing by JM Cherry on Sindre Torp's (LA6OP) website at www.drakemuseum.com is pretty handy for giving you the beginning year of production, and infers end of production year for many models by looking at the subsequent model year of manufacture.

Sindre's website is a "work-in progress" but there is some interesting stuff on there you won't find elsewhere.

73
Peter
VE7PS

<http://www.drakemuseum.com/index-filer/image569.jpg>

On 2/2/2018 5:17 AM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:

On 2/2/18 6:38 AM, bsa0791@... [DrakeRadio] wrote:
> Does anyone know the approximate years the R4 was
> manufactured? What was the final year of the r4c?
According to this:
<http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
<http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
The R-4 was made in 1965
The R-4A was made from 1965-1967
The R-4B was made from 1967-1973
The R-4C was made from 1973-1979

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42856. Re: [DrakeRadio] L-7 Fan Speed Control

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 16:19:25 UTC
From: mgilger@...
Topic: 42840 Message: 42856

If you end up wanting to reduce the fan speed, The Heathkit Shop has a nice fan speed controller. You can read all about it in this months QST. I suspect it would do a good job in reducing your fan speed if needed.

https://www.theheathkitshop.com/page9/index.html
https://www.theheathkitshop.com/page9/index.html

73's,
Mark, WB0IQK

42857. Re: [DrakeRadio] R4 age

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 16:21:09 UTC
From: Barry
Topic: 42843 Message: 42857

I think he attached the image to both posts but I only saw it on the second one.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Joe w7rkn.7@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com, "VE7PS" <ve7ps@...>
> Sent: Friday, February 2, 2018 10:09:17 AM
> Subject: RE: [DrakeRadio] R4 age
>
> ????
>
>
>
> Came through fine here! Check your settings in your email client??
>
>
>
> Joe – W7RKN
>
>
>
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Subject: Re: [DrakeRadio] R4 age
>
>
>
>
>
>
> So much for the drawing - thanks yahoo!
>
> It's on the front page of the drakemuseum.com website.
>
> 73
> Peter
> VE7PS
>
>
>
> On 2/2/2018 8:04 AM, VE7PS ve7ps@... [DrakeRadio] wrote:
>
>
>
>

> <http://www.drakemuseum.com/index-filer/image569.jpg>
> <http://www.drakemuseum.com/index-filer/image569.jpg> Hard to beat the
> info in Ron's database for pinpointing your production date, but this
> drawing by JM Cherry on Sindre Torp's (LA6OP) website at
> www.drakemuseum.com is pretty handy for giving you the beginning year of
> production, and infers end of production year for many models by looking
> at the subsequent model year of manufacture.
>
> Sindre's website is a "work-in progress" but there is some interesting stuff
> on there you won't find elsewhere.
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> 73
> Peter
> VE7PS
>
> <http://www.drakemuseum.com/index-filer/image569.jpg>
>
> On 2/2/2018 5:17 AM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
>
>
>
> On 2/2/18 6:38 AM, bsa0791@... [DrakeRadio] wrote:
> > Does anyone know the approximate years the R4 was
> > manufactured? What was the final year of the r4c?
> According to this:
> <http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
> <http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
> The R-4 was made in 1965
> The R-4A was made from 1965-1967
> The R-4B was made from 1967-1973
> The R-4C was made from 1973-1979
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>

42858. Re: [DrakeRadio] R4 age

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 16:27:56 UTC
From: VE7PS
Topic: 42843 Message: 42858

Barry:

The pic was attached to both posts. I can now see them both when I click the Thunderbird options to accept. The problem was my e-mail as Joe correctly advised. Given the issues I have had with Yahoo lately I was too quick to blame them this time. At least my posts to the Drake list seem to be happening instantaneously now.

Sorry for all the bandwidth guys.

Peter
VE7PS

On 2/2/2018 8:21 AM, Barry n4buq@... [DrakeRadio] wrote:
>
> I think he attached the image to both posts but I only saw it on the
> second one.
>
> Thanks,
> Barry - N4BUQ
>
> ----- Original Message -----
> > From: "Joe w7rkn.7@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> > To: DrakeRadio@yahoogroups.com, "VE7PS" <ve7ps@...>
> > Sent: Friday, February 2, 2018 10:09:17 AM
> > Subject: RE: [DrakeRadio] R4 age
> >
> > ????
> >
> >
> >
> > Came through fine here! Check your settings in your email client??
> >
> >
> >
> > Joe – W7RKN
> >
> >
> >
> > From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> > Subject: Re: [DrakeRadio] R4 age
> >
> >
> >
> >
> >

> > So much for the drawing - thanks yahoo!
> >
> > It's on the front page of the drakemuseum.com website.
> >
> > 73
> > Peter
> > VE7PS
> >
> >
> >
> > On 2/2/2018 8:04 AM, VE7PS ve7ps@... [DrakeRadio] wrote:
> >
> >
> >
> >
> > <http://www.drakemuseum.com/index-filer/image569.jpg>
> > <http://www.drakemuseum.com/index-filer/image569.jpg> Hard to beat the
> > info in Ron's database for pinpointing your production date, but this
> > drawing by JM Cherry on Sindre Torp's (LA6OP) website at
> > www.drakemuseum.com is pretty handy for giving you the beginning year of
> > production, and infers end of production year for many models by looking
> > at the subsequent model year of manufacture.
> >
> > Sindre's website is a "work-in progress" but there is some
> interesting stuff
> > on there you won't find elsewhere.
> >
> > 73
> > Peter
> > VE7PS
> >
> > <http://www.drakemuseum.com/index-filer/image569.jpg>
> >
> > On 2/2/2018 5:17 AM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
> >
> >
> >
> > On 2/2/18 6:38 AM, bsa0791@... [DrakeRadio] wrote:
> > > Does anyone know the approximate years the R4 was
> > > manufactured? What was the final year of the r4c?
> > According to this:
> > <http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
> > <http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
> > The R-4 was made in 1965
> > The R-4A was made from 1965-1967
> > The R-4B was made from 1967-1973
> > The R-4C was made from 1973-1979
> >
> > --
> > "I am a river to my people."

> > Jeff-1.0
> > WA6FWI
> > www.foxsmercantile.com
> >
> >
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

42859. Re: [DrakeRadio] R4 age

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 16:30:17 UTC
From: Barry
Topic: 42843 Message: 42859

... and, if I'd only scrolled down far enough on the first post, I'd have seen the image in it as well. :(

Sorry for the b/w as well.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "VE7PS ve7ps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Friday, February 2, 2018 10:27:56 AM
> Subject: Re: [DrakeRadio] R4 age
>
> Barry:
>
> The pic was attached to both posts. I can now see them both when I
> click the Thunderbird options to accept. The problem was my e-mail as
> Joe correctly advised. Given the issues I have had with Yahoo lately I
> was too quick to blame them this time. At least my posts to the Drake
> list seem to be happening instantaneously now.
>
> Sorry for all the bandwidth guys.
>
> Peter
> VE7PS
>
> On 2/2/2018 8:21 AM, Barry n4buq@... [DrakeRadio] wrote:
> >
> > I think he attached the image to both posts but I only saw it on the
> > second one.
> >
> > Thanks,
> > Barry - N4BUQ
> >
> > ----- Original Message -----
> > > From: "Joe w7rkn.7@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> > > To: DrakeRadio@yahoogroups.com, "VE7PS" <ve7ps@...>
> > > Sent: Friday, February 2, 2018 10:09:17 AM
> > > Subject: RE: [DrakeRadio] R4 age
> > >
> > > ????
> > >
> > >
> > >
> > > Came through fine here! Check your settings in your email client??

> > >
> > >
> > >
> > > Joe – W7RKN
> > >
> > >
> > >
> > > From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> > > Subject: Re: [DrakeRadio] R4 age
> > >
> > >
> > >
> > >
> > >
> > >
> > > So much for the drawing - thanks yahoo!
> > >
> > > It's on the front page of the drakemuseum.com website.
> > >
> > > 73
> > > Peter
> > > VE7PS
> > >
> > >
> > >
> > > On 2/2/2018 8:04 AM, VE7PS ve7ps@telus.net [DrakeRadio] wrote:
> > >
> > >
> > >
> > >
> > >
> > > <http://www.drakemuseum.com/index-filer/image569.jpg>
> > > <http://www.drakemuseum.com/index-filer/image569.jpg> Hard to beat the
> > > info in Ron's database for pinpointing your production date, but this
> > > drawing by JM Cherry on Sindre Torp's (LA6OP) website at
> > > www.drakemuseum.com is pretty handy for giving you the beginning year of
> > > production, and infers end of production year for many models by looking
> > > at the subsequent model year of manufacture.
> > >
> > > Sindre's website is a "work-in progress" but there is some
> > interesting stuff
> > > on there you won't find elsewhere.
> > >
> > > 73
> > > Peter
> > > VE7PS
> > >
> > > <http://www.drakemuseum.com/index-filer/image569.jpg>
> > >
> > > On 2/2/2018 5:17 AM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
> > >
> > >
> > >

> > >
> > > On 2/2/18 6:38 AM, bsa0791@... [DrakeRadio] wrote:
> > > > Does anyone know the approximate years the R4 was
> > > > manufactured? What was the final year of the r4c?
> > > According to this:
> > > <http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
> > > <http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
> > > The R-4 was made in 1965
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> > >
> > > --
> > > "I am a river to my people."
> > > Jeff-1.0
> > > WA6FWI
> > > www.foxsmercantile.com
> > >
> > >
> >
> >
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>
> ---
> This email has been checked for viruses by AVG.
> http://www.avg.com
>

42860. RE: [DrakeRadio] R4 age

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 16:53:38 UTC
From: Joe
Topic: 42843 Message: 42860

One of the great things about a group like ours, is the users' ability to help diagnose or offer suggestions, on different subjects, without the ‘fear’ of being slammed or shamed. So many groups now, operate on hair triggers, so if any suggestion is made, offense is taken and all of a sudden, all hell breaks loose. If the owner or moderator tries to take control of the situation, then others start to cry censorship and then start bad mouthing that group.

There are groups that I am on, that have a collection of some of the finest minds in that field, but professional egotism and jealousy destroys anything that is offered up. (Any of you old timers remember the Free Thinkers Net back in the 70’s? Forget where it was anchored..40 meters I think….

As a moderator in a group, I love it when I have nothing more to do than housekeeping. J

That said, no apology needed Peter. If there had been an issue, everyone would have benefited from the solution!

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] R4 age

Barry:

The pic was attached to both posts. I can now see them both when I click the Thunderbird options to accept. The problem was my e-mail as Joe correctly advised. Given the issues I have had with Yahoo lately I was too quick to blame them this time. At least my posts to the Drake list seem to be happening instantaneously now.

Sorry for all the bandwidth guys.

Peter
VE7PS

On 2/2/2018 8:21 AM, Barry n4buq@knology.net [DrakeRadio] wrote:

I think he attached the image to both posts but I only saw it on the second one.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Joe w7rkn.7@... [DrakeRadio]" <mailto:DrakeRadio@yahoogroups.com>
<DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com, "VE7PS" <mailto:ve7ps@...> <ve7ps@...>
> Sent: Friday, February 2, 2018 10:09:17 AM
> Subject: RE: [DrakeRadio] R4 age
>

> ????
>
>
>
> Came through fine here! Check your settings in your email client??
>
>
>
> Joe – W7RKN
>
>
>
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Subject: Re: [DrakeRadio] R4 age
>
>
>
>
>
>
> So much for the drawing - thanks yahoo!
>
> It's on the front page of the drakemuseum.com website.
>
> 73
> Peter
> VE7PS
>
>
>
> On 2/2/2018 8:04 AM, VE7PS ve7ps@... [DrakeRadio] wrote:
>
>
>
>
> <http://www.drakemuseum.com/index-filer/image569.jpg>
<http://www.drakemuseum.com/index-filer/image569.jpg>
> <http://www.drakemuseum.com/index-filer/image569.jpg>
<http://www.drakemuseum.com/index-filer/image569.jpg> Hard to beat the
> info in Ron's database for pinpointing your production date, but this
> drawing by JM Cherry on Sindre Torp's (LA6OP) website at
> www.drakemuseum.com is pretty handy for giving you the beginning year of
> production, and infers end of production year for many models by looking
> at the subsequent model year of manufacture.
>
> Sindre's website is a "work-in progress" but there is some interesting stuff
> on there you won't find elsewhere.
>
> 73
> Peter
> VE7PS

>
> <http://www.drakemuseum.com/index-filer/image569.jpg>
<http://www.drakemuseum.com/index-filer/image569.jpg>
>
> On 2/2/2018 5:17 AM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
>
>
>
> On 2/2/18 6:38 AM, bsa0791@... [DrakeRadio] wrote:
> > Does anyone know the approximate years the R4 was
> > manufactured? What was the final year of the r4c?
> According to this:
> <http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
<http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
> <http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
<http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>
> The R-4 was made in 1965
> The R-4A was made from 1965-1967
> The R-4B was made from 1967-1973
> The R-4C was made from 1973-1979
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>

<http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>

Virus-free. <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient> www.avg.com

42861. FW: Hro50

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 18:27:02 UTC
From: <ka9egw@...>
Topic: 42861 Message: 42861
Attachments: 1 described; binary payloads are missing from this source WARC

To everyone I promised pics of the recapped HRO, this is what it looks like. Full set of coils included. Sorry for the clutter—it really is that crowded in my shop. Whaddya give?

73, Brian KA9EGW

This email has been checked for viruses by AVG.
http://www.avg.com

42862. Re: [DrakeRadio] R4 age

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 19:36:07 UTC
From: blumu
Topic: 42843 Message: 42862

Fascinating graphic - but I have difficulty interpreting its
reference to the R-4B, which appears to be far less specific
than serial number interpolation via
<http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P2.htm>

Help!

Michael 2E0IHW
.....

On Freitag, 2. 02 18 16:04, VE7PS ve7ps@... [DrakeRadio] wrote:
>
> Hard to beat the info in Ron's database for pinpointing your production
> date, but this drawing by JM Cherry on Sindre Torp's (LA6OP) website at
> www.drakemuseum.com is pretty handy for giving you the beginning year of
> production, and infers end of production year for many models by looking
> at the subsequent model year of manufacture.
>
> Sindre's website is a "work-in progress" but there is some interesting
> stuff on there you won't find elsewhere.
>
> 73
> Peter
> VE7PS

42863. Re: [DrakeRadio] FW: Hro50

Yahoo group: DrakeRadio (2018)
Date: 2018-02-02 20:00:03 UTC
From: WB6TNF
Topic: 42861 Message: 42863
Attachments: 1 described; binary payloads are missing from this source WARC

Absolutely Beautiful.
On Friday, February 2, 2018, 10:27:17 AM PST, ka9egw@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

To everyone I promised pics of the recapped HRO, this is what it looks like. Full set of coils included. Sorry for the clutter—it really is that crowded in my shop. Whaddya give?

73, Brian KA9EGW

| | Virus-free. www.avg.com |

42864. Heath GD-1B Available again.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-03 19:19:00 UTC
From: Steve Wedge
Topic: 42864 Message: 42864

Folks, the grid dip meter is available once again.

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42865. t4x d5 diode question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-03 20:52:01 UTC
From: johng101501@...
Topic: 42865 Message: 42865

Hello, Anyone ever have d5 short? i have a t4x that when you attempt to set the bias - the tubes start to blush. i know the bias voltage is good- i have a meter on it. im thinking that the plate meter might be wrong - already been thru cathode and screen resistors and meter shunt. where is a good point to meter actual plate current when setting the bias , that way i can check meter accuracy. I am changing out the diode in the next half hr. Thanks, John

42866. Re: [DrakeRadio] t4x d5 diode question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-03 21:18:27 UTC
From: Richard Knoppow
Topic: 42865 Message: 42866

I am assuming this is similar to the T4XB
First check the bias supply. This is done by
disconnecting the power supply from the
transmitter. Shorting pin 1 and pin 2 of the
multi-pin connector will take the place of the
power switch. you should get between -45 and -65
volts between pin 9 (bias) and pin 6 (ground)
depending on how the bias control is set.
If you are not getting this voltage something
has happened to the bias supply. Its schematic is
in the back of the T4XB manual and probably in
other manuals.

If you are getting the bias voltage reconnect
the supply to the transmitter and remove the final
tubes. Check at the grid pins of the finals to see
if the voltage shows up there. If it does not you
will have to trace back to see where it is
interrupted.
The meter actually reads cathode current. It
can be read directly for each tube across the 15
ohm cathode resistors. 35 mA per tube. The two
tubes should be pretty close. This will give you a
check on the meter calibration.
The meter is dependent on R34 and R38 for
calibration. Both drift. R38 is selected to make
the meter read right with the bias set for correct
current through the cathode resistors.
D5 is the rectifier or detector diode for
the RF function of the meter and has no effect on
the cathode current reading. If you suspect it
check to see if its shorted, I think even so it
won't affect current readings.
If the tubes have been running red they are
probably cooked. It is a sign that they are
running without bias. Again, check the bias supply
and if its good see if you are getting it at the
tube grids.
On 2/3/2018 12:52 PM, johng101501@...
[DrakeRadio] wrote:
>
>
> Hello, Anyone ever have d5 short? i have a t4x
> that when you attempt to set the bias? - the
> tubes? start to blush. i know the bias voltage is

> good- i have a meter on it. im thinking that the
> plate meter might be wrong - already been thru
> cathode and screen resistors and meter shunt.
> where is a good point to meter actual plate
> current when setting the bias , that way i can
> check meter accuracy. ?? I am changing out the
> diode? in the next half hr. ? Thanks, John
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42867. RE: [DrakeRadio] FW: Hro50

Yahoo group: DrakeRadio (2018)
Date: 2018-02-03 22:53:21 UTC
From: Edward T. Tanton
Topic: 42861 Message: 42867

Awesome!!!

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

LM: ARRL QCWA AMSAT INDEXA;
SEDXC NCDXF GACW OK-QRP#172

QRP-L#758 K2 (FT) SN: 00057

42868. Re: [DrakeRadio] t4x d5 diode question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-03 22:57:06 UTC
From: johng101501@...
Topic: 42865 Message: 42868

Yes -thank you Richard I do have bias at the grids. I have a meter connected during the attempts at setting the bias so it can be monitored. i have verified the shorted diode and will fire the radio up after supper- Thanks, again

42869. Re: [DrakeRadio] t4x d5 diode question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-03 23:10:48 UTC
From: Richard Knoppow
Topic: 42865 Message: 42869

Let us know what you find. I have never run
into a shorted D5 but looking more carefully at
the schematic it looks like it could affect the
current reading on the meter.
Somewhere in Garrey Barrell's disc or possibly
at the WB4HFN site it seems to me there is a
method of choosing the value of R38 to calibrate
the meter. I've done this but it was so long ago
that I don't remember. In any case the actual
cathode current can be determined from the drop
across either of the cathode resistors.
I am concerned that the tube plates showed
color. These tubes have very little margin and
often become gassy of they run red for even a few
seconds. That makes adjusting neutralization
difficult and tuning on 10 meters must be done
with great care because even if properly
neutralized one can get the finals oscillating
with a fortuitous setting of the plate tuning and
loading.
If treated carefully the tubes have a very
long life but they can't take much abuse.

On 2/3/2018 2:57 PM, johng101501@...
[DrakeRadio] wrote:
>
>
> Yes -thank you Richard I do have bias at the
> grids. I have a meter connected during the
> attempts at setting the bias so it can be
> monitored. i have verified the shorted diode and
> will fire the radio up after supper- Thanks, again

--
Richard Knoppow
1oldlens1@...
WB6KBL

42870. Re: [DrakeRadio] Heath GD-1B Available again.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-04 13:40:02 UTC
From: Frank Barnes
Topic: 42864 Message: 42870

Steve, I'm coming late to this party...what is the cost of the GD-1b?
Estimate of shipping cost to 27516 (Chapel Hill, NC)?
Frank, W4NPN

On Sat, Feb 3, 2018 at 2:19 PM, Steve Wedge steve27302@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Folks, the grid dip meter is available once again.
>
> --
> Steve Wedge, W1ES/4
>
> Time flies like an arrow; fruit flies like a banana.
>
>
>

--
Frank Barnes
W4NPN
Chapel Hill, NC
Grid Square FM05
Cell 919.260.7955

42871. Re: [DrakeRadio] t4x d5 diode question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-04 14:48:57 UTC
From: john g
Topic: 42865 Message: 42871

Ok Richard The diode makes no difference. im investigating further

On ☐Saturday☐, ☐February☐ ☐3☐, ☐2018☐ ☐06☐:☐10☐:☐56☐ ☐PM☐ ☐EST, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Let us know what you find. I have never run into a shorted D5 but looking more carefully at the schematic it looks like it could affect the current reading on the meter.
Somewhere in Garrey Barrell's disc or possibly at the WB4HFN site it seems to me there is a method of choosing the value of R38 to calibrate the meter. I've done this but it was so long ago that I don't remember. In any case the actual cathode current can be determined from the drop across either of the cathode resistors.
I am concerned that the tube plates showed color. These tubes have very little margin and often become gassy of they run red for even a few seconds. That makes adjusting neutralization difficult and tuning on 10 meters must be done with great care because even if properly neutralized one can get the finals oscillating with a fortuitous setting of the plate tuning and loading.
If treated carefully the tubes have a very long life but they can't take much abuse.

On 2/3/2018 2:57 PM, johng101501@... [DrakeRadio] wrote:
>
>
> Yes -thank you Richard I do have bias at the
> grids. I have a meter connected during the
> attempts at setting the bias so it can be
> monitored. i have verified the shorted diode and
> will fire the radio up after supper- Thanks, again

--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

42872. Re: [DrakeRadio] t4x d5 diode question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-04 16:26:13 UTC
From: johng101501@...
Topic: 42865 Message: 42872

Hello, Id like to verify my t4x meter calibration -- Can i insert a ammeter (fluke 115) between the pass thru connector and the wire going to it? I was going to set it to 70 ma then see what my panel meter reads. Thanks Guys I been fighting this one for awile it looks as though everything is right. but still tubes blush when setting bias.

42873. AC-4 REQUIRED

Yahoo group: DrakeRadio (2018)
Date: 2018-02-04 17:41:57 UTC
From: ve3fmc@...
Topic: 42873 Message: 42873

Hello

I picked up a TR-4 yesterday but without the PS. So I am in need of a AC-4 supply. MS-4 would be nice but not a requirement.

I have a Parcel outlet in Port Huron so no need to ship across the border to Canada.

Thanks, 73 Rick VE3FMC

42874. Re: [DrakeRadio] AC-4 REQUIRED

Yahoo group: DrakeRadio (2018)
Date: 2018-02-04 17:49:02 UTC
From: MadScientist
Topic: 42873 Message: 42874

Would an AC3 meet your need?

$80 plus shipping.

Guaranteed working.

Add $60 if you want filters caps replaced.

Gary

> On Feb 4, 2018, at 11:41 AM, ve3fmc@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Hello
>
> I picked up a TR-4 yesterday but without the PS. So I am in need of a AC-4 supply. MS-4 would be nice but not a requirement.
>
> I have a Parcel outlet in Port Huron so no need to ship across the border to Canada.
>
> Thanks, 73 Rick VE3FMC
>
>
>
>
>

42875. Re: [DrakeRadio] AC-4 REQUIRED

Yahoo group: DrakeRadio (2018)
Date: 2018-02-04 18:14:28 UTC
From: Howard Traxler
Topic: 42873 Message: 42875

I have an extra AC-4 since I sold my TR-4. It has the so-called heathkit rebuild installed and is mounted in an MS-4 speaker. Pretty heavy. start at $175 shipped from Milwaukee.

Also have a C line complete--that is: xmtr, rcvr, ps w/speaker.

WA9RYF
----- Original Message -----
From: ve3fmc@... [DrakeRadio]
To: DrakeRadio@yahoogroups.com
Sent: Sunday, February 04, 2018 11:41 AM
Subject: [DrakeRadio] AC-4 REQUIRED

Hello

I picked up a TR-4 yesterday but without the PS. So I am in need of a AC-4 supply. MS-4 would be nice but not a requirement.

I have a Parcel outlet in Port Huron so no need to ship across the border to Canada.

Thanks, 73 Rick VE3FMC

42876. RE: [DrakeRadio] AC-4 REQUIRED

Yahoo group: DrakeRadio (2018)
Date: 2018-02-04 21:24:16 UTC
From: Edward T. Tanton
Topic: 42873 Message: 42876

Remember not to ship the AC-4 mounted in the MS-4. The sheet metal of the spkr is insufficient to handle the stress. (I apologize if you already knew this.)

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

LM: ARRL QCWA AMSAT INDEXA;
SEDXC NCDXF GACW OK-QRP#172

QRP-L#758 K2 (FT) SN: 00057

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Sunday, February 04, 2018 1:14 PM
To: DrakeRadio@yahoogroups.com; ve3fmc@...
Subject: Re: [DrakeRadio] AC-4 REQUIRED

☐

I have an extra AC-4 since I sold my TR-4. It has the so-called heathkit rebuild installed and is mounted in an MS-4 speaker. Pretty heavy. start at $175 shipped from Milwaukee.

Also have a C line complete--that is: xmtr, rcvr, ps w/speaker.

WA9RYF

----- Original Message -----

From: ve3fmc@... [DrakeRadio] <mailto:ve3fmc@...%20[DrakeRadio]>

To: DrakeRadio@...m

Sent: Sunday, February 04, 2018 11:41 AM

Subject: [DrakeRadio] AC-4 REQUIRED

Hello

I picked up a TR-4 yesterday but without the PS. So I am in need of a AC-4 supply. MS-4 would be nice but not a requirement.

I have a Parcel outlet in Port Huron so no need to ship across the border to Canada.

Thanks, 73 Rick VE3FMC

42877. t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-04 23:12:43 UTC
From: johng101501@...
Topic: 42877 Message: 42877

well after a long road with this t4x i found that the plate amperes meter was the culprit i set the power supply up on a t4xb then plugged it into the t4x i found that no more tubes blushing and full power out . i changed the shunt resistors and cathode and screen resistors too. i ended up finding a t4xb meter on ebay - i am glad to have it. i think that when i had a screen to grid short it must have damaged the meter. i will install new finals the replacement plate meter , with calibration of course, and an alignment. where would be the best place to measure the current drawn during the bias adjustment for both the pa tubes?

42878. Re: [DrakeRadio] t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-05 05:05:48 UTC
From: Richard Knoppow
Topic: 42877 Message: 42878

If you are getting full power out you do not
need to change the tubes.
An alignment can be worth doing even if the
set does not really need one since it can show up
problems that are otherwise hidden.
When you have a good meter it is perfectly
adequate for setting the cathode current and has a
mark for that. You can measure across the
individual cathode resistors for 35ma. The tubes
should be close. In fact, this is one way to match
tubes. From ohms law the voltage across each
resistor should be about 0.525 volts with NO RF
drive.

On 2/4/2018 3:12 PM, johng101501@...
[DrakeRadio] wrote:
>
>
> well after a long road with this t4x i found that
> the plate amperes meter was the culprit? i set the
> power supply up on a t4xb then plugged it into the
> t4x i found that no more tubes blushing and full
> power out . i changed the shunt resistors and
> cathode and screen resistors too. i ended up
> finding a t4xb meter on ebay - i am glad? to have
> it. i think that when i had a screen to grid short
> it must have damaged the meter.? i will install
> new finals the replacement plate meter , with
> calibration of course, and an alignment. where
> would be the best place to measure the current
> drawn during the bias adjustment? for both the pa
> tubes?
>
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42879. Re: [DrakeRadio] t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-05 05:06:49 UTC
From: Richard Knoppow
Topic: 42877 Message: 42879

BTW, if your plate current meter is not
working how are you tuning up?

On 2/4/2018 3:12 PM, johng101501@...
[DrakeRadio] wrote:
>
>
> well after a long road with this t4x i found that
> the plate amperes meter was the culprit? i set the
> power supply up on a t4xb then plugged it into the
> t4x i found that no more tubes blushing and full
> power out . i changed the shunt resistors and
> cathode and screen resistors too. i ended up
> finding a t4xb meter on ebay - i am glad? to have
> it. i think that when i had a screen to grid short
> it must have damaged the meter.? i will install
> new finals the replacement plate meter , with
> calibration of course, and an alignment. where
> would be the best place to measure the current
> drawn during the bias adjustment? for both the pa
> tubes?

--
Richard Knoppow
1oldlens1@...
WB6KBL

42880. TR-4 scratchy sound that pins S meter

Yahoo group: DrakeRadio (2018)
Date: 2018-02-05 14:02:21 UTC
From: Steve Wedge
Topic: 42880 Message: 42880

Good morning, Drakesters!

I've been working on a TR-4C that had an intermittent problem that affected receive. Basically, while receiving, I'd hear "scratching" in the audio, hear receive levels go down and observe the S meter pretty much pinned. The noise would go away and the meter would return to normal. It sounded as if it was mechanical in origin: a bad connection somewhere.

Turns out K2 had dirty contacts. I took a little Cramolin (DeOxIt is the later version of this) and wet the corner of a crisp $10 bill and passed it through the contacts. Listening to the rig this morning and I haven't heard any repeat of the problem.

73,

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42881. Re: [DrakeRadio] TR-4 scratchy sound that pins S meter

Yahoo group: DrakeRadio (2018)
Date: 2018-02-05 16:14:39 UTC
From: William Shadid
Topic: 42880 Message: 42881

Steve, and all,

I had a similar symptom on my TR-4C. In my case it was a poor solder joint on the relay board side of RFC13 - a choke in series with receiver/low level transmit HV line (250 volt line - off pin 11 of the power connector). It took me a bit to find it but it cured a lot of problems. It is a bit of a mining operation to get to that place in the wiring! In my case, there was evidence that the joint had been worked on in the past - also noted that any pressure on the relay (such as manipulating it to remove it, etc.) puts a lot of pressure on that one solder joint. I located the problem while looking at the relay as a cause - noting that issue would occur, or stop, when tapping the relay with an alignment tool. Further investigation in that case provide it not to be the relay but this solder joint which was "opening" with any pressure anywhere on the board.

Noting also in Garey Barrell's (K4OAH) TR-4C Service Manual that what you found on the relay contacts is certainly also a high priority to check with these symptoms. Likely your find is more common than a bad solder joint.

73,

-Bill, W9MXQ

On 2/5/2018 8:02 AM, Steve Wedge steve27302@... [DrakeRadio] wrote:
> Good morning, Drakesters!
>
> I've been working on a TR-4C that had an intermittent problem that
> affected receive. Basically, while receiving, I'd hear "scratching"
> in the audio, hear receive levels go down and observe the S meter
> pretty much pinned. The noise would go away and the meter would
> return to normal. It sounded as if it was mechanical in origin: a bad
> connection somewhere.
>
> Turns out K2 had dirty contacts. I took a little Cramolin (DeOxIt is
> the later version of this) and wet the corner of a crisp $10 bill and
> passed it through the contacts. Listening to the rig this morning and
> I haven't heard any repeat of the problem.
>
> 73,
>
> --
> Steve Wedge, W1ES/4
>
> Time flies like an arrow; fruit flies like a banana.

>

42882. Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-05 23:40:55 UTC
From: johng101501@...
Topic: 42877 Message: 42882

Hello, Richard-- The meter works its just not accurate. I can still see plate dip , but i also have a w4 meter that i use to tune. I like your idea i will measure across the resistors tonight. I was thinking id put a milliampmeter in series but i like your idea. and it will be a great way to check it out. I will keep you posted. 73, John

42883. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 00:09:45 UTC
From: Richard Knoppow
Topic: 42877 Message: 42883

The only place the meter needs to be accurate
at is 70mA to set the bias. These meters cost
Drake less than a dollar. I can't remember if
there is a mechanical zero set. If so it should be
set but the 70 mA point is set by selecting the
series resistor. There should not be huge errors
elsewhere but they are really what are called
technically "indictors". If the meter indicates
and the pointer does not stick its probably OK.

On 2/5/2018 3:40 PM, johng101501@...
[DrakeRadio] wrote:
>
>
> Hello, Richard-- The meter works its just not
> accurate. I can still see plate dip , but i also
> have a w4 meter that i use to tune. I like your
> idea i will measure across the resistors tonight.
> I was thinking id put a milliampmeter in series
> but i like your idea. and it will be a great way
> to check it out. I will keep you posted. 73, John
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42884. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 02:24:22 UTC
From: john g
Topic: 42877 Message: 42884

well im afraid that there is still something amiss here Richard, I think That i may just end up parting this one out. The final tubes still get hotter than hell and i made sure to check the voltage across them - it is set at.525. Ive been working on it so long I am probably missing something, what else could it be shorted coils ? Im kind of sick of putting finals in this thing. You can hear the tubes heating up it gets so hot. what about screen current?

On ☐Monday☐, ☐February☐ ☐5☐, ☐2018☐ ☐07☐:☐10☐:☐14☐ ☐PM☐ ☐EST, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

```
    The only place the meter needs to be accurate
at is 70mA to set the bias. These meters cost
Drake less than a dollar. I can't remember if
there is a mechanical zero set. If so it should be
set but the 70 mA point is set by selecting the
series resistor. There should not be huge errors
elsewhere but they are really what are called
technically "indictors". If the meter indicates
and the pointer does not stick its probably OK.

On 2/5/2018 3:40 PM, johng101501@...
[DrakeRadio] wrote:
>
>
> Hello, Richard-- The meter works its just not
> accurate. I can still see plate dip , but i also
> have a w4 meter that i use to tune. I like your
> idea i will measure across the resistors tonight.
> I was thinking id put a milliampmeter in series
> but i like your idea. and it will be a great way
> to check it out. I will keep you posted. 73, John
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

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Yahoo Groups Links
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42885. Re: [DrakeRadio] AC-4 power cord

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 03:08:31 UTC
From: Charles Ahlgren
Topic: 42791 Message: 42885

I have installed 3 wire power cords on AC-3 rebuilds from Harbach. Their AC-4's do not include a power cord, but its a very easy mod to make...Involves getting a cord and a couple of capacitors..Plenty of room under the hood for one...You can figure out how to do it by studying the schematics for the AC-3 rebuild....

73's de Charles, KW6G (formerly - WB6IYM)

42886. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 03:10:16 UTC
From: Michael Cooley
Topic: 42877 Message: 42886

John,
Don't lose heart, just let it sit for awhile and come back to it later. There is a logical explanation for what you're experiencing and it CAN be repaired!
Take a breath!!
MikeW7KWQ

On Monday, February 5, 2018 3:41 PM, "johng101501@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

Hello, Richard-- The meter works its just not accurate. I can still see plate dip , but i also have a w4 meter that i use to tune. I like your idea i will measure across the resistors tonight. I was thinking id put a milliampmeter in series but i like your idea. and it will be a great way to check it out. I will keep you posted. 73, John

42887. Re: [DrakeRadio] 3-wire cords.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 03:27:07 UTC
From: Jeffrey Angus
Topic: 42791 Message: 42887

With only a few exceptions, all of my equipment has 3-wire cords.
Particularly ANYTHING with exposed metal.

Aside from avoiding a potentially 60 vac "tweak" from a floating
chassis, it's just plain old good engineering and safety practice.

And while we're at it, line bypass capacitors.
<https://www.hunker.com/13408990/differences-in-x1-x2-y1-and-y2-capacitors>

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42888. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 03:33:08 UTC
From: Richard Knoppow
Topic: 42877 Message: 42888

By hotter than hell do you mean they show
color? The tubes normally run very hot, too hot
to touch, but the plates should not show any color.
I don't know the screen current but someone
else here probably does. The first thing to do is
to make sure the DC voltages on the tubes are
correct. Plate voltage with no drive is about 650V
or perhaps a bit more, screens are about 250V,
grid bias about -60 volts and adjusted for the
correct cathode current. If the tubes show color
when idling, that is without RF drive, they are
oscillating but that will make the cathode current
run high and show up on the output meter.
Since you can measure the cathode current do
so on a low band (to prevent any oscillation) and
no drive. If you set the mode selector switch in
CW but set the sideband selector in the NON-X
position no drive will get to the finals and
readings will be for DC. If you don't trust the
current meter set the bias for 0.525V drop across
either cathode resistor. That will be the correct
bias. With the tubes keyed there should be no
color at all. You can key the transmitter by
operating in CW with no key plugged in or if you
have a key connected just use the circuit closer.
Once you have the bias set see what you get in
CW mode. Remember to set the sideband switch in X.
Use a dummy load (of course) and either a power
meter or a T connector that allows measuring the
RF ouput voltage across the dummy load. You should
be able to get around 140 watts or a little more
on 80 or 40 meters. The tubes should show NO
color. If they do more trouble shooting is
necessary. The finals should oscillate on 40
meters and lower frequencies even if the
neutralization is considerably off.
I have a feeling that this would make more
sense in person than by remote control.

On 2/5/2018 6:24 PM, john g johng101501@...
[DrakeRadio] wrote:
>
>
> well im afraid that there is still something amiss
> here Richard, I think That i may just end up

> parting this one out. The final tubes still get
> hotter than hell and i made sure to check the
> voltage across them - it is set at.525. Ive been
> working on it so long I am probably missing
> something, what else could it be shorted coils ?
> Im kind of sick of putting finals in this thing.
> You can hear the tubes heating up it gets so hot.
> what about screen current?

--
Richard Knoppow
1oldlens1@...
WB6KBL

42889. Re: [DrakeRadio] 3-wire cords.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 06:15:35 UTC
From: Evan
Topic: 42791 Message: 42889

Jeff (and Drake enthusiasts),

Oh there is well above 60 vac available on certain types of chassis. If one doesn't use a 3 wire cord, and a ground system, then they are just asking for trouble. Too, when testing a piece of equipment, there are times when one might not want the chassis grounded (email me off list for details). In such cases, the use of an isolation transformer is mandatory according to my way of thinking.

As to bypass capacitors, they can exhibit "high current leakage", not just a little tickle. A Johnson Valiant had line bypass caps (disc ceramic) that could carry 10 amps.

I'm like you, everything is grounded in my shack.

73,

Evan, K9SQG

-----Original Message-----
From: Jeffrey Angus jdangus@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@...m>
Sent: Tue, Feb 6, 2018 1:07 am
Subject: Re: [DrakeRadio] 3-wire cords.

With only a few exceptions, all of my equipment has 3-wire cords.
Particularly ANYTHING with exposed metal.

Aside from avoiding a potentially 60 vac "tweak" from a floating
chassis, it's just plain old good engineering and safety practice.

And while we're at it, line bypass capacitors.
<https://www.hunker.com/13408990/differences-in-x1-x2-y1-and-y2-capacitors>;

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42890. Tr-7 SSB low?

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 14:42:24 UTC
From: Ray Collins
Topic: 42890 Message: 42890

blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid !important; padding-left:1ex !important; background-color:white !important; } When it's on CW I'm getting over 100 watts into a dummy load. When it's on SSB I'm getting 30 watts.I have a Matco PMS 1000, it shows 30 watts on SSB and full modulation. Any help is appreciated.
Ray
VE3 BDK

Sent from Yahoo Mail for iPad

42891. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 15:02:41 UTC
From: Curt Nixon
Topic: 42877 Message: 42891

That is a classic symptom of loss of bias, or bias way to light.

Check the tube sockets...I have seen them get so bad that even though
the bias was on the connection point, it wasn't making it to the tube pin.

Curt KU8L

On 02/05/18 9:24 PM, john g johng101501@... [DrakeRadio] wrote:
> well im afraid that there is still something amiss here Richard, I
> think That i may just end up parting this one out. The final tubes
> still get hotter than hell and i made sure to check the voltage across
> them - it is set at.525. Ive been working on it so long I am probably
> missing something, what else could it be shorted coils ? Im kind of
> sick of putting finals in this thing. You can hear the tubes heating
> up it gets so hot. what about screen current?
>
> On ☐Monday☐, ☐February☐ ☐5☐, ☐2018☐ ☐07☐:☐10☐:☐14☐ ☐PM☐ ☐EST, Richard
> Knoppow 1oldlens1@... [DrakeRadio]
> <DrakeRadio@yahoogroups.com> wrote:
>
>
>   The only place the meter needs to be accurate
> at is 70mA to set the bias. These meters cost
> Drake less than a dollar. I can't remember if
> there is a mechanical zero set. If so it should be
> set but the 70 mA point is set by selecting the
> series resistor. There should not be huge errors
> elsewhere but they are really what are called
> technically "indictors". If the meter indicates
> and the pointer does not stick its probably OK.
>
> On 2/5/2018 3:40 PM, johng101501@... <mailto:johng101501@...>
> [DrakeRadio] wrote:
> >
> >
> > Hello, Richard-- The meter works its just not
> > accurate. I can still see plate dip , but i also
> > have a w4 meter that i use to tune. I like your
> > idea i will measure across the resistors tonight.
> > I was thinking id put a milliampmeter in series
> > but i like your idea. and it will be a great way
> > to check it out. I will keep you posted. 73, John
>
> >
> >

>
> --
> Richard Knoppow
> 1oldlens1@... <mailto:1oldlens1@...>
> WB6KBL
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> Yahoo Groups Links
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>
> DrakeRadio-fullfeatured@yahoogroups.com
> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
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42892. Re: [DrakeRadio] Tr-7 SSB low?

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 16:00:38 UTC
From: Doug Smith
Topic: 42890 Message: 42892

That sounds right. Your power meter is displaying average power. The average power on SSB will be much lower than on CW. To measure your peak power output you need a peak reading power meter. With a peak reading power meter the output on SSB and CW will measure about the same.

It's all about the waveform of the transmitted signal. Voice is really "peaky" with a lower average than a sine wave like CW.

You can actually see the differences on an oscilloscope. Very illuminating...

73,
Doug, W7KF
http://www.w7kf.com

> On Feb 6, 2018, at 7:42 AM, Ray Collins raycollins39@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> When it's on CW I'm getting over 100 watts into a dummy load. When it's on SSB I'm getting 30 watts.
>
> I have a Matco PMS 1000, it shows 30 watts on SSB and full modulation. Any help is appreciated.
>
> Ray
>
> VE3 BDK
>
>
>

42893. Re: [DrakeRadio] Tr-7 SSB low?

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 16:15:41 UTC
From: MadScientist
Topic: 42890 Message: 42893

We should first ask, has the radio ALWAYS operated this way or is this something new.

I have had a few dozen TR7's and all showed more than 30 watts on voice peaks though, of course, not the full 100+ watts seen on CW, as explained by others.

Ray did mention that he tested with an external meter but no info as to whether the meter was capable of peak reading.

Also, is the ALC light coming on on peaks? It should, if the radio is producing proper output power limit of about 100 to 120 watts PEP.

Gary

> On Feb 6, 2018, at 10:00 AM, Doug Smith doug@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> That sounds right. Your power meter is displaying average power. The average power on SSB will be much lower than on CW. To measure your peak power output you need a peak reading power meter. With a peak reading power meter the output on SSB and CW will measure about the same.
>
> It's all about the waveform of the transmitted signal. Voice is really "peaky" with a lower average than a sine wave like CW.
>
> You can actually see the differences on an oscilloscope. Very illuminating...
>
> 73,
> Doug, W7KF
> http://www.w7kf.com <http://www.w7kf.com/>
>
>
> On Feb 6, 2018, at 7:42 AM, Ray Collins raycollins39@... <mailto:raycollins39@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>>
>> When it's on CW I'm getting over 100 watts into a dummy load. When it's on SSB I'm getting 30 watts.
>>
>> I have a Matco PMS 1000, it shows 30 watts on SSB and full modulation. Any help is appreciated.
>>
>> Ray
>>
>> VE3 BDK
>>

>>
>
>

42894. Re: [DrakeRadio] Tr-7 SSB low?

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 17:36:53 UTC
From: Evan
Topic: 42890 Message: 42894

Ray,

Is that an active, peak reading wattmeter? If not, then that 30 watts isn't too surprising.

73,

Evan, K9SQG

-----Original Message-----
From: Ray Collins raycollins39@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <drakeradio@yahoogroups.com>
Sent: Tue, Feb 6, 2018 9:42 am
Subject: [DrakeRadio] Tr-7 SSB low?

When it's on CW I'm getting over 100 watts into a dummy load. When it's on SSB I'm getting 30 watts.
I have a Matco PMS 1000, it shows 30 watts on SSB and full modulation. Any help is appreciated.

Ray

VE3 BDK

Sent from Yahoo Mail for iPad

42895. Re: [DrakeRadio] Tr-7 SSB low?

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 18:38:23 UTC
From: Ray Collins
Topic: 42890 Message: 42895

blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid !important; padding-left:1ex !important; background-color:white !important; } So the good news is it is probably working. This was an eBay purchase two weeks ago. Two tantalums had smoked, the 2nd IF board had no sound. I already had a basket case tr-7 so the 2nd IF board wasn't a problem. Only other issue was the thing was full of oily residue, clear with a black tinge, wiped it out hoping that is wasn't PCB oil. Probably something was leaking on top of the unit when it was in storage.
For its age not in bad shape, although I prefer the sound on my Tr-4c. ;-))
Pretty sure I'm dealing with a RMS meter. I'm guessing that the on board meter is also RMS?Now to give it a tune up.

73's and thanks for the input.
Ray VE3 BDK

Sent from Yahoo Mail for iPad

On Tuesday, February 6, 2018, 12:37 PM, Evan k9sqg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Ray,

Is that an active, peak reading wattmeter? If not, then that 30 watts isn't too surprising.
73,
Evan, K9SQG

-----Original Message-----
From: Ray Collins raycollins39@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <drakeradio@yahoogroups.com>
Sent: Tue, Feb 6, 2018 9:42 am
Subject: [DrakeRadio] Tr-7 SSB low?

  When it's on CW I'm getting over 100 watts into a dummy load. When it's on SSB I'm getting 30 watts.I have a Matco PMS 1000, it shows 30 watts on SSB and full modulation. Any help is appreciated.
Ray
VE3 BDK

Sent from Yahoo Mail for iPad

42896. Re: Heath GD-1B Available again.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 18:52:24 UTC
From: Steve Wedge
Topic: 42864 Message: 42896

And, <<Poof!>> it is sold!

On Sat, Feb 3, 2018 at 2:19 PM, Steve Wedge <steve27302@...> wrote:

> Folks, the grid dip meter is available once again.
>
> --
> Steve Wedge, W1ES/4
>
> Time flies like an arrow; fruit flies like a banana.
>

--
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42897. Re: [DrakeRadio] Tr-7 SSB low?

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 19:35:09 UTC
From: Richard Knoppow
Topic: 42890 Message: 42897

If the 30 watts was measured on speech its a matter of the large ratio of peak to average levels in speech. Few meters are able to record the actual peaks but a scope across the output will show them. When you measure a time changing value on a regular meter what you are seeing is an averaging of values over the time constant of the meter which includes its mechanical characteristic plus any time constant in the circuit. So, mechanical meters read low on time varying waveforms. This is not a matter of peak vs: average vs: rms, those refer to the way the meter responds to a steady waveform. Most analog meters are average reading calibrated in the equivalent RMS value. Some RF meters using a single diode rectifier respond depending on level. For meters using vacuum tube rectifiers the response will approach true RMS for low voltages and become peak reading for high voltages. Very often these meters have two or more scales. Meters using bridge rectifiers are average responding but both kinds are calibrated in the RMS equivalent of a sine wave. This still does not account for the error in reading a fairly slowly varying signal like speech. The meter tries to follow the "envelope" of the speech signal but still reads very low compared to the actual peak value. AM, including SSB, transmission systems have a definite power limit. The modulating signal must be adjusted so its _peak_ value does not exceed this. As a result speech that is not processed in some sort of amplitude compressor, will show a very low average level of modulation when the peak is set to be within the capabilities of the system. There are meters made that detect the actual peak and indicate it on a display but any oscilloscope will show the peaks and give some idea of the ratio of those peaks to the average level. You can get a better idea of the actual power output by driving the transmitter with a steady tone. This can be any source of a steady audio tone fed to a pair of headphones over the microphone.

On 2/6/2018 10:38 AM, Ray Collins raycollins39@...
[DrakeRadio] wrote:
>
>
> So the good news is it is probably working. This was an eBay
> purchase two weeks ago. Two tantalums had smoked, the 2nd IF
> board had no sound. I already had a basket case tr-7 so the 2nd
> IF board wasn't a problem. Only other issue was the thing was
> full of oily residue, clear with a black tinge, wiped it out
> hoping that is wasn't PCB oil. Probably something was leaking on
> top of the unit when it was in storage.

> For its age not in bad shape, although I prefer the sound on my
> Tr-4c. ;-))
>
> Pretty sure I'm dealing with a RMS meter. I'm guessing that the
> on board meter is also RMS?
> Now to give it a tune up.
>
> 73's and thanks for the input.
>
> Ray VE3 BDK
>
> Sent from Yahoo Mail for iPad <https://yho.com/footer0>
>
> On Tuesday, February 6, 2018, 12:37 PM, Evan k9sqg@...
> [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Ray,
>
>
> Is that an active, peak reading wattmeter? ?If not, then that
> 30 watts isn't too surprising.
>
> 73,
>
> Evan, K9SQG

>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42898. Drake T4X problems still here

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 22:10:09 UTC
From: johng101501@...
Topic: 42898 Message: 42898

Hello, Does anybody know what the screen current should be on the T4X- ? The problem I am experiencing can be seen by looking at the post" T4X problem solved" which unfortunately is not. I can check cathode current across the resistors but what should screen current be?

42899. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 22:22:46 UTC
From: johng101501@...
Topic: 42877 Message: 42899

Im fairly sure bias is reaching the tubes- the only way to be absolutely sure would be to replace them i guess i could squirt deoxit down the tube sockets . How do i check for oscillation ? I dont have an ocilloscope.

42901. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 23:22:14 UTC
From: Richard Knoppow
Topic: 42877 Message: 42901

I can look at the tube data sheets and get some idea of
screen current. Sylvania published characteristics for using them
as linear amplifiers, data from other manufacturers shows only
use as a vertical oscillator. The cathodes show a combination of
plate and screen current. The screens do not draw a lot of
current so its mostly plate current.
Any RF meter in the output, including the one in the rig,
will show parasitic oscillation if its there. If you get an
indication of output with no drive its a bad sign. Generally, if
the tubes go into oscillation due to lack of neutralization the
output will go very high as will plate current plus the tubes
will show color because there is too much dissipation and the
output is not being loaded. I don't think this is your problem.
If the tubes have the correct DC voltages on them they
should amplify. If they don't either they are not getting drive
or are cooked. I am not sure now if you reported output.
Perhaps you should repost the symptoms as they are now. I
don't want to invent problems that are not there.
You can confirm the bias by measuring at the tube grids. You
should see something like -55 volts there.
The screen decoupling resistors are R30 and R31, with care
you can measure the drop across them. They should be 68 ohms.
That will tell you the screen current. But, again, I don't think
that is where the problem is.

On 2/6/2018 2:22 PM, johng101501@... [DrakeRadio] wrote:
>
>
> Im fairly sure bias is reaching the tubes- the only way to be
> absolutely sure would be to replace them i guess i could squirt
> deoxit down the tube sockets . How do i check for oscillation ? I
> dont have an ocilloscope.
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42902. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-06 23:57:31 UTC
From: john g
Topic: 42877 Message: 42902

Ok Richard Id like to thank you for your help , Im going to run thru the socket resistances next. I see every voltage I am supposed to have . I have tried numerous tubes , At least they are were 6gj5 tubes instead of 6 jb6. I am An industrial electrician by trade, so I am used to troubleshooting but this takes the cake. I will check the resistances , check the voltages one more time . And then If i dont find anything probably ship it off to someone for diagnosis. If you would be interested I would be glad to have you take a peek if you so desire. Thanks, Again John

On ☐Tuesday☐, ☐February☐ ☐6☐, ☐2018☐ ☐06☐:☐22☐:☐20☐ ☐PM☐ ☐EST, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I can look at the tube data sheets and get some idea of screen current. Sylvania published characteristics for using them as linear amplifiers, data from other manufacturers shows only use as a vertical oscillator. The cathodes show a combination of plate and screen current. The screens do not draw a lot of current so its mostly plate current.

Any RF meter in the output, including the one in the rig, will show parasitic oscillation if its there. If you get an indication of output with no drive its a bad sign. Generally, if the tubes go into oscillation due to lack of neutralization the output will go very high as will plate current plus the tubes will show color because there is too much dissipation and the output is not being loaded. I don't think this is your problem.

If the tubes have the correct DC voltages on them they should amplify. If they don't either they are not getting drive or are cooked. I am not sure now if you reported output.

Perhaps you should repost the symptoms as they are now. I don't want to invent problems that are not there.

You can confirm the bias by measuring at the tube grids. You should see something like -55 volts there.

The screen decoupling resistors are R30 and R31, with care you can measure the drop across them. They should be 68 ohms. That will tell you the screen current. But, again, I don't think that is where the problem is.

On 2/6/2018 2:22 PM, johng101501@... [DrakeRadio] wrote:
>
>
> Im fairly sure bias is reaching the tubes- the only way to be
> absolutely sure would be to replace them i guess i could squirt
> deoxit down the tube sockets . How do i check for oscillation ? I
> dont have an ocilloscope.
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

42903. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 00:03:27 UTC
From: Michael Cooley
Topic: 42877 Message: 42903

John,
For the neutralization issue, see Richard's explanation, below. If there is no apparent neutralization issue, I certainly WOULD try to squirt some Deoxit into the tube sockets then install and pull the tubes two or three times to work it into the corrosion or oxidization in the sockets--there may be none, but it never hurts to try it under these circumstances. The tubes could be faulty, but you've already changed those, have you not? When you check for "oscillations" (neutralization issues) you really should only see the normal idling current because you've turned on the amplifiers with no external drive (from the radio itself) and NO RF output at all. You can even check that with your VSWR bridge if you don't have a wattmeter. If there IS RF output, something is not right. I would rotate the tuning controls to see if those change it just for grins. Also, don't leave the rig in the transmit mode for more than a few seconds at a time--just long enough to read the meters!
I am no Drake expert, so please rely on Richard and others here who know FAR more about your gear than me. I've owned Drake stuff (and still have the L-4B) but I'm just returning to amateur radio after spending a career in commercial radio and other electronics areas, so my experience is not especially specific.
Best of luck!!
MikeW7KWQ

On Tuesday, February 6, 2018 2:22 PM, "johng101501@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

> Im fairly sure bias is reaching the tubes- the only way to be absolutely sure would be to replace them i guess i could squirt deoxit down the tube sockets . How do i check for oscillation ? I dont have an ocilloscope.

42904. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 00:26:06 UTC
From: john g
Topic: 42877 Message: 42904

Thanks Mike We aint gonna quit yet.

On ☐Tuesday☐, ☐February☐ ☐6☐, ☐2018☐ ☐07☐:☐03☐:☐44☐ ☐PM☐ ☐EST, Michael Cooley aw1929@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

John,
For the neutralization issue, see Richard's explanation, below. If there is no apparent neutralization issue, I certainly WOULD try to squirt some Deoxit into the tube sockets then install and pull the tubes two or three times to work it into the corrosion or oxidization in the sockets--there may be none, but it never hurts to try it under these circumstances. The tubes could be faulty, but you've already changed those, have you not? When you check for "oscillations" (neutralization issues) you really should only see the normal idling current because you've turned on the amplifiers with no external drive (from the radio itself) and NO RF output at all. You can even check that with your VSWR bridge if you don't have a wattmeter. If there IS RF output, something is not right. I would rotate the tuning controls to see if those change it just for grins. Also, don't leave the rig in the transmit mode for more than a few seconds at a time--just long enough to read the meters!
I am no Drake expert, so please rely on Richard and others here who know FAR more about your gear than me. I've owned Drake stuff (and still have the L-4B) but I'm just returning to amateur radio after spending a career in commercial radio and other electronics areas, so my experience is not especially specific.
Best of luck!!
MikeW7KWQ

On Tuesday, February 6, 2018 2:22 PM, "johng101501@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

  Im fairly sure bias is reaching the tubes- the only way to be absolutely sure would be to replace them i guess i could squirt deoxit down the tube sockets . How do i check for oscillation ? I dont have an ocilloscope.

42905. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 00:52:21 UTC
From: Richard Knoppow
Topic: 42877 Message: 42905

Have you been using 6GJ5? I think these are enough the same
as the 6BJ6 to work. The 6BJ6 is getting rare and expensive. I
compared characteristics and they seem to be the same or nearly
the same.

On 2/6/2018 3:57 PM, john g johng101501@... [DrakeRadio] wrote:

--
Richard Knoppow
1oldlens1@...
WB6KBL

42906. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 01:18:29 UTC
From: MadScientist
Topic: 42877 Message: 42906

In the T-4 series and TR3 and TR4, the 6GJ5 is interchangeable completely.

I have many of both, new old stock, probably a few dozen of each.

Gary

> On Feb 6, 2018, at 6:52 PM, Richard Knoppow 1oldlens1@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> Have you been using 6GJ5? I think these are enough the same
> as the 6BJ6 to work. The 6BJ6 is getting rare and expensive. I
> compared characteristics and they seem to be the same or nearly
> the same.
>
> On 2/6/2018 3:57 PM, john g johng101501@... <mailto:johng101501@...> [DrakeRadio] wrote:
>
> --
> Richard Knoppow
> 1oldlens1@... <mailto:1oldlens1@...>
> WB6KBL
>
>

42907. Re: Equipment for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 01:10:25 UTC
From: ve3fmc@...
Topic: 38175 Message: 42907

John I sent you an email to the address you have listed on QRZ. Rick VE3FMC

42908. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 02:48:42 UTC
From: Richard Knoppow
Topic: 42877 Message: 42908

In fact I am pretty sure I had or have some. There is one
near equivalent where I found I had to cut off a pin on the base
or re-wire the socket.
I am beginning to think Sherlock Holmes was right. He thought
that if you put enough stuff in your memory eventually something
leaks out for every new thing that goes in.

On 2/6/2018 5:18 PM, MadScientist wrote:
> In the T-4 series and TR3 and TR4, the 6GJ5 is interchangeable
> completely.
>
> I have many of both, new old stock, probably a few dozen of each.
>
> Gary

42909. Re: [DrakeRadio] RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-01-28 19:26:43 UTC
From: Mike Boudreaux
Topic: 42780 Message: 42909

Hi Mike,
indeed it looks as though it would work the Big issue is that there is a
minimum order of 50 dollars so I cannot justify buying a 1.49 dollar
part for 50 dollars!! I will keep looking for someone that sells
individually I would like 3 of them. Thanks for the reply 73 Mike vk3xz

On 29/01/2018 03:49, Michael Cooley wrote:
> This should probably work in that application...but others on here
> know FAR more about these things than me!
>
> Mike
> W7KWQ
>
> 6302 BOURNS | Inductor Leaded
> <https://www.onlinecomponents.com/bourns-6302.html?p=10734717&ref=GooglePLA&utm_source=g
oogle&utm_medium=cpc&utm_campaign=&utm_term=&utm_content=&ref=GoogleAd:-&gclid=Cj0KCQiAhrb
TBRCFARIsACY7MW3E1RhUlK47mTJU52HxIyXnYB8zA8m1pTPm-MW_rGsLDINVGHhWPM4aAi0bEALw_wcB&cshift_c
k=1FB1A95A-6E15-40ED-8AB4-0F1C9D3C9B01cs>
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> <https://www.onlinecomponents.com/bourns-6302.html?p=10734717&ref=GooglePLA&utm_source=g
oogle&utm_medium=cpc&utm_campaign=&utm_term=&utm_content=&ref=GoogleAd:-&gclid=Cj0KCQiAhrb
TBRCFARIsACY7MW3E1RhUlK47mTJU52HxIyXnYB8zA8m1pTPm-MW_rGsLDINVGHhWPM4aAi0bEALw_wcB&cshift_c
k=1FB1A95A-6E15-40ED-8AB4-0F1C9D3C9B01cs>
>
>
>
> On Saturday, January 27, 2018 11:04 PM, "vk3xz@...
> [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> Hi I really need the parts list for the Drake L4-B Amp . The RFC choke
> 5 has failed and I need a replacement? Does someone know a
> replacement I can use? It appears to be the same as RFC1 and RFC3 Grid
> chokes. RFC5 is used in the output circuit. Any one know of
> Replacement items and purchase details please? Cheers Mike

> vk3xz@...
>
>
>
>

42910. RE: [DrakeRadio] AC-4 REQUIRED

Yahoo group: DrakeRadio (2018)
Date: 2018-02-05 14:24:25 UTC
From: Hank Lambert
Topic: 42873 Message: 42910

I did that to my AC-4 / MS-4. I thought I had it well enough packed, but the shipping destroyed the MS-4. I wish I had that advice before I shipped it..

73,

--Hank
KB4MTO / TA5ZC
https://www.hamradio.hanklambert.com

----- Original Message -----
From:
DrakeRadio@yahoogroups.com "Edward T. Tanton" <n4xy@...>

To:
<DrakeRadio@yahoogroups.com>, "Howard Traxler"
<howard@...>
Cc:

Sent:
Sun, 4 Feb 2018 16:24:16 -0500
Subject:
RE: [DrakeRadio] AC-4 REQUIRED

Remember not to ship the AC-4 mounted in the MS-4. The sheet metal of the spkr is insufficient to handle the stress. (I apologize if you already knew this.)

Ed Tanton N4XY

189 Pioneer Trail

Marietta, GA 30068-3466

website: http://www.n4xy.com

LM: ARRL QCWA AMSAT INDEXA;

SEDXC NCDXF GACW OK-QRP#172

QRP-L#758   K2 (FT) SN: 00057

FROM: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
SENT: Sunday, February 04, 2018 1:14 PM
TO: DrakeRadio@yahoogroups.com; ve3fmc@...
SUBJECT: Re: [DrakeRadio] AC-4 REQUIRED

☐

I have an extra AC-4 since I sold my TR-4. It has the so-called heathkit rebuild installed and is mounted in an MS-4 speaker. Pretty heavy. start at $175 shipped from Milwaukee.

Also have a C line complete--that is: xmtr, rcvr, ps w/speaker.

WA9RYF

----- Original Message -----

FROM: ve3fmc@... [DrakeRadio] [1]

TO: DrakeRadio@yahoogroups.com [2]

SENT: Sunday, February 04, 2018 11:41 AM

SUBJECT: [DrakeRadio] AC-4 REQUIRED

Hello

I picked up a TR-4 yesterday but without the PS. So I am in need of a AC-4 supply. MS-4 would be nice but not a requirement.

I have a Parcel outlet in Port Huron so no need to ship across the border to Canada.

Thanks, 73 Rick VE3FMC

Links:
------
[1] mailto:ve3fmc@...%20%5BDrakeRadio%5D
[2] mailto:DrakeRadio@yahoogroups.com
[3] https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/messages/42876;_ylc=X3oDMTJyZWozNGxsBF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0Mjg3NgRzZWMDZnRyBHNsawNycGx5BHN0aW1lAzE1MTc3Nzk0Njg-?act=reply&messageNum=42876
[4] mailto:n4xy@...?subject=RE%3A%20%5BDrakeRadio%5D%20AC-4%20REQUIRED
[5] mailto:DrakeRadio@yahoogroups.com?subject=RE%3A%20%5BDrakeRadio%5D%20AC-4%20REQUIRED
[6] https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/newtopic;_ylc=X3oDMTJmcW45MnJwBF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzE1MTc3Nzk0Njg-
[7] https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/topics/42873;_ylc=X3oDMTM3ZzJ0aHR2BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0Mjg3NgRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzE1MTc3Nzk0NjgEdHBjSWQDNDI4NzM-
[8] https://yho.com/1wwmgg
[9] https://groups.yahoo.com/neo/groups/DrakeRadio/info;_ylc=X3oDMTJmM2RjNTMxBF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE1MTc3Nzk0Njg-
[10]

https://groups.yahoo.com/neo/groups/DrakeRadio/members/all;_ylc=X3oDMTJnaWpjM2pkBF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxNTE3Nzc5NDY4
[11]
https://groups.yahoo.com/neo;_ylc=X3oDMTJlYnE4NXJpBF9TAzk3NDc2NTkwBGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTUxNzc3OTQ3MA--
[12] https://info.yahoo.com/privacy/us/yahoo/groups/details.html
[13] mailto:DrakeRadio-unsubscribe@yahoogroups.com?subject=Unsubscribe
[14] https://info.yahoo.com/legal/us/yahoo/utos/terms/

42911. Re: [DrakeRadio] RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 16:01:16 UTC
From: James R. Bartlett
Topic: 42780 Message: 42911

Hi Mike,
Not sure if this would help, but I have a couple of Pi wound RFC's.
Most are 4 section.
I have one type that might suit you.
it is

2.5uH
11 ohm resistance.
Dia is 14mm
Length is 43 mm. in total.
Short wires but you can extend easily.
If it is of use it is yours.
Just let me know.

73's
Jim
Ei2BB

On 28 January 2018 at 19:26, Mike Boudreaux vk3xz@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Hi Mike,
> indeed it looks as though it would work the Big issue is that there is a
> minimum order of 50 dollars so I cannot justify buying a 1.49 dollar part
> for 50 dollars!! I will keep looking for someone that sells individually I
> would like 3 of them. Thanks for the reply 73 Mike vk3xz
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> On 29/01/2018 03:49, Michael Cooley wrote:
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> This should probably work in that application...but others on here know
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> Mike
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>
> 6302 BOURNS | Inductor Leaded
> <https://www.onlinecomponents.com/bourns-6302.html?p=10734717&ref=GooglePLA&utm_source=g
oogle&utm_medium=cpc&utm_campaign=&utm_term=&utm_content=&ref=GoogleAd:-&gclid=Cj0KCQiAhrb
TBRCFARIsACY7MW3E1RhUlK47mTJU52HxIyXnYB8zA8m1pTPm-MW_rGsLDINVGHhWPM4aAi0bEALw_wcB&cshift_c
k=1FB1A95A-6E15-40ED-8AB4-0F1C9D3C9B01cs>
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> <https://www.onlinecomponents.com/bourns-6302.html?p=10734717&ref=GooglePLA&utm_source=google&utm_medium=cpc&utm_campaign=&utm_term=&utm_content=&ref=GoogleAd:-&gclid=Cj0KCQiAhrbTBRCFARIsACY7MW3E1RhUlK47mTJU52HxIyXnYB8zA8m1pTPm-MW_rGsLDINVGHhWPM4aAi0bEALw_wcB&cshift_ck=1FB1A95A-6E15-40ED-8AB4-0F1C9D3C9B01cs>
>
>
>
> On Saturday, January 27, 2018 11:04 PM, "vk3xz@... [DrakeRadio]"
> <vk3xz@...[DrakeRadio]> <DrakeRadio@yahoogroups.com>
> <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> Hi I really need the parts list for the Drake L4-B Amp . The RFC choke 5
> has failed and I need a replacement? Does someone know a replacement I can
> use? It appears to be the same as RFC1 and RFC3 Grid chokes. RFC5 is used
> in the output circuit. Any one know of Replacement items and purchase
> details please? Cheers Mike vk3xz@...
>
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>

42912. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 16:41:52 UTC
From: Curt Nixon
Topic: 42877 Message: 42912

If the tubes have a loss of bias for whatever reason, they will be drawing maximum plate current whether in TX or not.

THe problem I have seen with the sockets was not due to dirt or oxidation but of the loss of contact due to the socket being bent open or overheated to the point of not making contact. It would be unusual for tis to happen to both tubes at the same time, but even if one of them is running away, it will be difficult to tell unless you are monitoring each tube independently.

I hope you will re-list the current symptom observations as I have lost track of them over the course of this thread. Specifically, what are the meters and RF output doing in RX? What is the plate current and rf output in TX with and without any drive? Do you see the proper 70ma or so of idle current? You can safely pull one or the other of the finals to see what happens to these observations. If it has ANY amount of idle current below about 120ma, the bias is probably there. If it makes 80-100 W of RF output with a dipped plate current, it is probably working OK as long as the plates aren't red. Neutralization would have to be VERY bad to impact these measurements on 80M. If it dips, the pi network is probably OK.

The screens could never draw enough current for long enough without smoking the screen resistors to make the tubes hot enough to make noise (tink, tink, tink) and the only way to make that happen is to not have plate voltage. (did you measure the plate Voltage right at the plate cap or on the bottom at the feed-thru?

I need to double check this but are 6bj5 tubes the identical drop in pin base diagram??? Some of these have similar pins but internal connections that can be BAD NEWS if normally unused pins are used for tie points for wiring.

WHere are you located?

Statements based upon my experiences.

Curt KU8L

On 02/06/18 7:03 PM, Michael Cooley aw1929@... [DrakeRadio] wrote:
> John,
>
> For the neutralization issue, see Richard's explanation, below. If
> there is no apparent neutralization issue, I certainly WOULD try to
> squirt some Deoxit into the tube sockets then install and pull the
> tubes two or three times to work it into the corrosion or oxidization
> in the sockets--there may be none, but it never hurts to try it under

> these circumstances. The tubes could be faulty, but you've already
> changed those, have you not?
>
> When you check for "oscillations" (neutralization issues) you really
> should only see the normal idling current because you've turned on the
> amplifiers with no external drive (from the radio itself) and NO RF
> output at all. You can even check that with your VSWR bridge if you
> don't have a wattmeter. If there IS RF output, something is not right.
> I would rotate the tuning controls to see if those change it just for
> grins. Also, don't leave the rig in the transmit mode for more than a
> few seconds at a time--just long enough to read the meters!
>
> I am no Drake expert, so please rely on Richard and others here who
> know FAR more about your gear than me. I've owned Drake stuff (and
> still have the L-4B) but I'm just returning to amateur radio after
> spending a career in commercial radio and other electronics areas, so
> my experience is not especially specific.
>
> Best of luck!!
>
> Mike
> W7KWQ
>
>
> On Tuesday, February 6, 2018 2:22 PM, "johng101501@...
> [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:
>
>
> Im fairly sure bias is reaching the tubes- the only way to be
> absolutely sure would be to replace them i guess i could squirt deoxit
> down the tube sockets . How do i check for oscillation ? I dont have
> an ocilloscope.
>
>
>

42913. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 16:43:59 UTC
From: Curt Nixon
Topic: 42877 Message: 42913

THis is what I was thinking in my note today.

Curt

On 02/06/18 9:48 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> In fact I am pretty sure I had or have some. There is one
> near equivalent where I found I had to cut off a pin on the base
> or re-wire the socket.
> I am beginning to think Sherlock Holmes was right. He thought
> that if you put enough stuff in your memory eventually something
> leaks out for every new thing that goes in.
>
> On 2/6/2018 5:18 PM, MadScientist wrote:
>> In the T-4 series and TR3 and TR4, the 6GJ5 is interchangeable
>> completely.
>>
>> I have many of both, new old stock, probably a few dozen of each.
>>
>> Gary
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> Yahoo Groups Links
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42914. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 17:13:10 UTC
From: Curt Nixon
Topic: 42877 Message: 42914

So...here is a problem:

The supressor on the GJ5 is tied to the cathode internally. WHen put into a socket in the T4X, that socket position is grounded like it should be for the 6jb6....but it also then grounds the cathode directly. THis bypasses the cathode resistors so don't know how the metering is giving any data this way.

THis is from examining the basing diagrams.

Curt

On 02/06/18 7:52 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
>
> Have you been using 6GJ5? I think these are enough the same
> as the 6BJ6 to work. The 6BJ6 is getting rare and expensive. I
> compared characteristics and they seem to be the same or nearly
> the same.
>
> On 2/6/2018 3:57 PM, john g johng101501@... [DrakeRadio] wrote:
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>
>

42915. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 17:36:03 UTC
From: Richard Knoppow
Topic: 42877 Message: 42915

I see that now. The replacements I had can not have been the
GJ5 but something else close. Also, if the cathodes are grounded
directly there will be no AM, it just won't work without rewiring.

On 2/7/2018 9:13 AM, Curt Nixon captcurt@... [DrakeRadio]
wrote:
>
>
> So...here is a problem:
>
> The supressor on the GJ5 is tied to the cathode internally.? WHen
> put into a socket in the T4X, that socket position is grounded
> like it should be for the 6jb6....but it also then grounds the
> cathode directly.? THis bypasses the cathode resistors so don't
> know how the metering is giving any data this way.
>
> THis is from examining the basing diagrams.
>
> Curt
Richard Knoppow
1oldlens1@...
WB6KBL

42916. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 17:51:22 UTC
From: Curt Nixon
Topic: 42877 Message: 42916

Or cutting off that pin as Gary described.

Curt

On 02/07/18 12:36 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> I see that now. The replacements I had can not have been the
> GJ5 but something else close. Also, if the cathodes are grounded
> directly there will be no AM, it just won't work without rewiring.
>
> On 2/7/2018 9:13 AM, Curt Nixon captcurt@... [DrakeRadio]
> wrote:
>>
>> So...here is a problem:
>>
>> The supressor on the GJ5 is tied to the cathode internally.? WHen
>> put into a socket in the T4X, that socket position is grounded
>> like it should be for the 6jb6....but it also then grounds the
>> cathode directly.? THis bypasses the cathode resistors so don't
>> know how the metering is giving any data this way.
>>
>> THis is from examining the basing diagrams.
>>
>> Curt
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
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42917. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 18:38:37 UTC
From: Richard Knoppow
Topic: 42877 Message: 42917

I looked at the two tubes and the circuit of the T4XB. The
6BJ6 has separate connections for cathode and suppressor. The
cathode is on pin 3, the suppressor is on pin 8. The 6GJ5 has the
suppressor connected to the cathode internally, both on pin 3 and
nothing on pin 8. In the transmitter pin 3 goes to the cathode
and pin 8 is grounded. So, a 6GJ5 should work OK.
Now, I had some tubes, which I thought were 6GJ5's where the
cathode was connected to both pin 3 and pin 8. This caused the
cathode to be grounded unless either pin 8 was cut off the tube
or the ground was disconnected from pin 8 in the transmitter. I
had a couple of different brands of these tubes and found only
one of them had the two pins connected. I don't remember which
brand and couldn't find the tubes. I looked at on-line data
sheets from both Sylvania and RCA but both show pin 8 unused.
Its possible the tubes I got were not 6GJ5's. Whatever they
were I learned they might be substitutes for the 6JB6 from Garrey
Barrell, who is a pretty authoritative source. I think I did not
use whatever I had because I had difficulty neutralizing them.
BTW, does anyone know how Garrey is doing? I wrote to him
off line a few days ago but did not receive a reply. I know he is
ill but he usually posts something every once in a while.

On 2/7/2018 9:51 AM, Curt Nixon wrote:
> Or cutting off that pin as Gary described.
>
> Curt

--
Richard Knoppow
1oldlens1@...
WB6KBL

42918. Re: [DrakeRadio] RFC 5 Choke in Drake L4-B Amplifier

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 18:38:58 UTC
From: Steve Toth
Topic: 42780 Message: 42918

Try Mouser, also Digikey, Newark and Allied . I don't believe they have minimums and between them they stock just about everything. (I have had good service too). No affiliation, just a satisfied repeat customer od all four.
- Steve W7SJT"Always look for a positive solution then Improvise, Adapt, and Overcome" "Sometimes it is the people who no one imagines doing anything, who do the things that no one can imagine".....

From: "'James R. Bartlett' james.r.bart@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com; Mike Boudreaux <vk3xz@...>
Sent: Wednesday, February 7, 2018 8:08 AM
Subject: Re: [DrakeRadio] RFC 5 Choke in Drake L4-B Amplifier

#yiv2832930842 #yiv2832930842 -- #yiv2832930842 .yiv2832930842ygrp-photo-title{clear:both;font-size:smaller;min-height:15px;overflow:hidden;text-align:center;width:75px;}#yiv2832930842 div.yiv2832930842ygrp-photo{background-position:center;background-repeat:no-repeat;background-color:white;border:1px solid black;min-height:62px;width:62px;}#yiv2832930842 div.yiv2832930842photo-title a, #yiv2832930842 div.yiv2832930842photo-title a:active, #yiv2832930842 div.yiv2832930842photo-title a:hover, #yiv2832930842 div.yiv2832930842photo-title a:visited {text-decoration:none;}#yiv2832930842 div.yiv2832930842attach-table div.yiv2832930842attach-row {clear:both;}#yiv2832930842 div.yiv2832930842attach-table div.yiv2832930842attach-row div {float:left;}#yiv2832930842 p {clear:both;padding:15px 0 3px 0;overflow:hidden;}#yiv2832930842 div.yiv2832930842ygrp-file {width:30px;}#yiv2832930842 div.yiv2832930842attach-table div.yiv2832930842attach-row div div a {text-decoration:none;}#yiv2832930842 div.yiv2832930842attach-table div.yiv2832930842attach-row div div span {font-weight:normal;}#yiv2832930842 div.yiv2832930842ygrp-file-title {font-weight:bold;}#yiv2832930842 #yiv2832930842 #yiv2832930842 #yiv2832930842 --#yiv2832930842ygrp-mkp {border:1px solid #d8d8d8;font-family:Arial;margin:10px 0;padding:0 10px;}#yiv2832930842 #yiv2832930842ygrp-mkp hr {border:1px solid #d8d8d8;}#yiv2832930842 #yiv2832930842ygrp-mkp #yiv2832930842hd {color:#628c2a;font-size:85%;font-weight:700;line-height:122%;margin:10px 0;}#yiv2832930842 #yiv2832930842ygrp-mkp #yiv2832930842ads {margin-bottom:10px;}#yiv2832930842 #yiv2832930842ygrp-mkp .yiv2832930842ad {padding:0 0;}#yiv2832930842 #yiv2832930842ygrp-mkp .yiv2832930842ad p {margin:0;}#yiv2832930842 #yiv2832930842ygrp-mkp .yiv2832930842ad a {color:#0000ff;text-decoration:none;}#yiv2832930842

Hi Mike,Not sure if this would help, but I have a couple of Pi wound RFC's.Most are 4 section.I have one type that might suit you.it is
2.5uH11 ohm resistance.Dia is 14mmLength is 43 mm. in total.Short wires but you can extend easily.If it is of use it is yours.Just let me know.
73'sJimEi2BB
On 28 January 2018 at 19:26, Mike Boudreaux vk3xz@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Hi Mike,
indeed it looks as though it would work the Big issue is that there is a minimum order of 50 dollars so I cannot justify buying a 1.49 dollar part for 50 dollars!! I will keep looking for someone that sells individually I would like 3 of them. Thanks for the reply 73 Mike vk3xz

On 29/01/2018 03:49, Michael Cooley wrote:

This should probably work in that application...but others on here know FAR more about these things than me!
Mike W7KWQ
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6302 BOURNS | Inductor Leaded
Order BOURNS 6302. Competitive pricing & availability from an authorized distributor. Flat Rate Shipping &am... |
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On Saturday, January 27, 2018 11:04 PM, "vk3xz@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

Hi I really need the parts list for the Drake L4-B Amp . The RFC choke 5 has failed and I need a replacement? Does someone know a replacement I can use? It appears to be the same as RFC1 and RFC3 Grid chokes. RFC5 is used in the output circuit. Any one know of Replacement items and purchase details please? Cheers Mike vk3xz@...

42919. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 19:13:01 UTC
From: Curt Nixon
Topic: 42877 Message: 42919

Seems there are differences in the base diagrams...best to check to be
sure there is nothing connected inside the tube to pin 8 if using the 6GJ5.

Curt

On 02/07/18 1:38 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> I looked at the two tubes and the circuit of the T4XB. The
> 6BJ6 has separate connections for cathode and suppressor. The
> cathode is on pin 3, the suppressor is on pin 8. The 6GJ5 has the
> suppressor connected to the cathode internally, both on pin 3 and
> nothing on pin 8. In the transmitter pin 3 goes to the cathode
> and pin 8 is grounded. So, a 6GJ5 should work OK.
> Now, I had some tubes, which I thought were 6GJ5's where the
> cathode was connected to both pin 3 and pin 8. This caused the
> cathode to be grounded unless either pin 8 was cut off the tube
> or the ground was disconnected from pin 8 in the transmitter. I
> had a couple of different brands of these tubes and found only
> one of them had the two pins connected. I don't remember which
> brand and couldn't find the tubes. I looked at on-line data
> sheets from both Sylvania and RCA but both show pin 8 unused.
> Its possible the tubes I got were not 6GJ5's. Whatever they
> were I learned they might be substitutes for the 6JB6 from Garrey
> Barrell, who is a pretty authoritative source. I think I did not
> use whatever I had because I had difficulty neutralizing them.
> BTW, does anyone know how Garrey is doing? I wrote to him
> off line a few days ago but did not receive a reply. I know he is
> ill but he usually posts something every once in a while.
>
> On 2/7/2018 9:51 AM, Curt Nixon wrote:
>> Or cutting off that pin as Gary described.
>>
>> Curt
>

42920. PS-7 50K resistors

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 20:19:01 UTC
From: Max Cotton
Topic: 42920 Message: 42920

Hi, Does anyone have the Mouser part number for the 50K 50W resistors in the L7 power supply, I think they are 588-L50J50KE but would like confirmation before ordering a pair.
73 Max M0GHQ

42921. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 21:41:40 UTC
From: Steve Wedge
Topic: 42877 Message: 42921

I'll have to check that in the future. I bought a pair to try out and
things got ugly very quickly - perhaps that was the reason.

Steve, W1ES/4

On Wed, Feb 7, 2018 at 2:13 PM, Curt Nixon captcurt@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

> Seems there are differences in the base diagrams...best to check to be
> sure there is nothing connected inside the tube to pin 8 if using the 6GJ5.
>
> Curt
>
> On 02/07/18 1:38 PM, Richard Knoppow 1oldlens1@...
> [DrakeRadio] wrote:
> > I looked at the two tubes and the circuit of the T4XB. The
> > 6BJ6 has separate connections for cathode and suppressor. The
> > cathode is on pin 3, the suppressor is on pin 8. The 6GJ5 has the
> > suppressor connected to the cathode internally, both on pin 3 and
> > nothing on pin 8. In the transmitter pin 3 goes to the cathode
> > and pin 8 is grounded. So, a 6GJ5 should work OK.
> > Now, I had some tubes, which I thought were 6GJ5's where the
> > cathode was connected to both pin 3 and pin 8. This caused the
> > cathode to be grounded unless either pin 8 was cut off the tube
> > or the ground was disconnected from pin 8 in the transmitter. I
> > had a couple of different brands of these tubes and found only
> > one of them had the two pins connected. I don't remember which
> > brand and couldn't find the tubes. I looked at on-line data
> > sheets from both Sylvania and RCA but both show pin 8 unused.
> > Its possible the tubes I got were not 6GJ5's. Whatever they
> > were I learned they might be substitutes for the 6JB6 from Garrey
> > Barrell, who is a pretty authoritative source. I think I did not
> > use whatever I had because I had difficulty neutralizing them.
> > BTW, does anyone know how Garrey is doing? I wrote to him
> > off line a few days ago but did not receive a reply. I know he is
> > ill but he usually posts something every once in a while.
> >
> > On 2/7/2018 9:51 AM, Curt Nixon wrote:
> >> Or cutting off that pin as Gary described.
> >>
> >> Curt
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> Yahoo Groups Links
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Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

42922. Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 21:46:36 UTC
From: johng101501@...
Topic: 42877 Message: 42922

Ok I have an interesting development--- I too had read that the 6gj5 tube is a good replacement for the 6jb6 . I think in most cases it is. I have read that some people cut pin 8 off which I think is a good practice. I have tried numerous brands , Sylvania ,Raytheon zenith. Ive had some tubes all with the same number look different internally. I had problems with what i thought was a bad plate meter- I tried my last set of 6gj5 and the problems disappeared , They aren't matched current wise the best but they run cool, ALOT cooler than the others and my plate meter returned to normal. I definitely think there is a difference in tube construction here. I dont know what brands to recommend but if Richard and Curt has done the research maybe ridding the tubes of pin 8 maybe a good idea. If this had occurred after just a tube change, it would be easy to diagnose-- if it occurs after you have done some major repairs, (me) . It can lead you down the wrong road. Lesson learned here for me. I had all my tube voltages but The darned thing still ran hot! I can touch the tubes after shutdown and high voltage dissipation has occurred , vs before with the other 6gj5 you could not get near the tubes. The T4X I have is relatively old- serial wise- i wonder if the tube sockets are wired differently, in the newer series. Any thoughts ? And thanks to all that posted here to help. 73, John

42923. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 22:12:59 UTC
From: Richard Knoppow
Topic: 42877 Message: 42923

Before cutting pin 8 check the continuity to pin 3. If there
is none I don't think cutting the pin serves any purpose and may
damage the glass. I definitely saw the same thing you did, a
difference in construction but I see that with the 6BJ6 and many
other tubes. I think I discovered the connected pins when testing
the tubes on my TV-7B/U. I made an adapter for the large base
tubes so I can check these and match them. I am not sure matching
is as important as is sometimes claimed but also I don't think
the tubes should be too different.
Grounding the cathode will definitely affect both the meter
and probably the bias.
Ultimately it would be good to be able to measure distortion
with a two tone test but I don't have the means for it. When I
worked for Hewlett-Packard I became an expert in the spectrum
analyzers they made and always wanted one. It seems it will be
the last thing I will get.

On 2/7/2018 1:46 PM, johng101501@... [DrakeRadio] wrote:
>
>
> Ok I have an interesting development--- I too had read that the
> 6gj5 tube is a good replacement for the 6jb6 . I think in most
> cases it is. I have read that? some people cut pin 8 off which I
> think is a good practice. I have? tried numerous brands ,
> Sylvania ,Raytheon? zenith. Ive had some tubes all with the same
> number look different internally. I had problems with what i
> thought was a bad plate meter- I tried my last set of 6gj5 and
> the problems disappeared , They aren't matched current wise the
> best but they run cool, ALOT cooler than the others and my plate
> meter returned to normal. I definitely think there is a
> difference in tube construction here.? I dont know what brands to
> recommend but if Richard and Curt has done the research maybe
> ridding the tubes of pin 8 maybe a good idea. If this had
> occurred after just a tube change, it would be easy to diagnose--
> if it occurs after you have done some major repairs, (me)? . It
> can lead you down the wrong road. Lesson learned here for me. I
> had all my tube voltages but The darned thing still ran hot! I
> can touch the tubes after shutdown and high voltage dissipation
> has occurred , vs before with the other 6gj5 you could not get
> near the tubes. The T4X I have is relatively old- serial wise- i
> wonder if the tube sockets are wired differently, in the newer
> series. Any thoughts ?? And thanks to all that posted here to
> help. 73, John

--
Richard Knoppow
1oldlens1@...
WB6KBL

42924. Re: [DrakeRadio] PS-7 50K resistors

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 22:24:31 UTC
From: Stan Gammons
Topic: 42920 Message: 42924

That's the part number for the 50K 50W resistors I put in my L-4B power supply.

73

Stan
KM4HQE

On 02/07/2018 02:19 PM, Max Cotton m0ghq@... [DrakeRadio] wrote:
>
> Hi, Does anyone have the Mouser part number for the 50K 50W resistors
> in the L7 power supply, I think they are 588-L50J50KE but would like
> confirmation before ordering a pair. 73 Max M0GHQ
>
>

42925. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 22:29:07 UTC
From: john g
Topic: 42877 Message: 42925

Its working great now Curt--I am located in NY--- I measured all voltages the most direct way possible both sides of rf chokes, plate caps etc . The darned tubes have different construction . It caused me a lot of tail chasing. I do not know if the T4x is different in base wiring than the t4xb.

On ☐Wednesday☐, ☐February☐ ☐7☐, ☐2018☐ ☐05☐:☐13☐:☐35☐ ☐PM☐ ☐EST, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

    Before cutting pin 8 check the continuity to pin 3. If there is none I don't think cutting the pin serves any purpose and may damage the glass. I definitely saw the same thing you did, a difference in construction but I see that with the 6BJ6 and many other tubes. I think I discovered the connected pins when testing the tubes on my TV-7B/U. I made an adapter for the large base tubes so I can check these and match them. I am not sure matching is as important as is sometimes claimed but also I don't think the tubes should be too different.
    Grounding the cathode will definitely affect both the meter and probably the bias.
    Ultimately it would be good to be able to measure distortion with a two tone test but I don't have the means for it. When I worked for Hewlett-Packard I became an expert in the spectrum analyzers they made and always wanted one. It seems it will be the last thing I will get.

On 2/7/2018 1:46 PM, johng101501@... [DrakeRadio] wrote:
>
>
> Ok I have an interesting development--- I too had read that the
> 6gj5 tube is a good replacement for the 6jb6 . I think in most
> cases it is. I have read that some people cut pin 8 off which I
> think is a good practice. I have tried numerous brands ,
> Sylvania ,Raytheon zenith. Ive had some tubes all with the same
> number look different internally. I had problems with what i
> thought was a bad plate meter- I tried my last set of 6gj5 and
> the problems disappeared , They aren't matched current wise the
> best but they run cool, ALOT cooler than the others and my plate
> meter returned to normal. I definitely think there is a
> difference in tube construction here. I dont know what brands to
> recommend but if Richard and Curt has done the research maybe
> ridding the tubes of pin 8 maybe a good idea. If this had
> occurred after just a tube change, it would be easy to diagnose--
> if it occurs after you have done some major repairs, (me) . It
> can lead you down the wrong road. Lesson learned here for me. I
> had all my tube voltages but The darned thing still ran hot! I
> can touch the tubes after shutdown and high voltage dissipation

> has occurred , vs before with the other 6gj5 you could not get
> near the tubes. The T4X I have is relatively old- serial wise- i
> wonder if the tube sockets are wired differently, in the newer
> series. Any thoughts ? And thanks to all that posted here to
> help. 73, John

--
Richard Knoppow
1oldlens1@...
WB6KBL

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42926. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 23:06:38 UTC
From: Steve Wedge
Topic: 42877 Message: 42926

That's an interesting point about matching, Richard. The cathode, screen and grid resistors are all at least 10% tolerance. I do suppose that limiting the range of transconductance of the tubes can limit tolerance stack-ups, but a much cheaper method would be to change out these resistors to matched values. Most so-called 5% resistors made today are usually within 1%.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Wed, Feb 7, 2018 at 5:12 PM, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

> Before cutting pin 8 check the continuity to pin 3. If there
> is none I don't think cutting the pin serves any purpose and may
> damage the glass. I definitely saw the same thing you did, a
> difference in construction but I see that with the 6BJ6 and many
> other tubes. I think I discovered the connected pins when testing
> the tubes on my TV-7B/U. I made an adapter for the large base
> tubes so I can check these and match them. I am not sure matching
> is as important as is sometimes claimed but also I don't think
> the tubes should be too different.
> Grounding the cathode will definitely affect both the meter
> and probably the bias.
> Ultimately it would be good to be able to measure distortion
> with a two tone test but I don't have the means for it. When I
> worked for Hewlett-Packard I became an expert in the spectrum
> analyzers they made and always wanted one. It seems it will be
> the last thing I will get.
>
> On 2/7/2018 1:46 PM, johng101501@... [DrakeRadio] wrote:
> >
> >
> > Ok I have an interesting development--- I too had read that the
> > 6gj5 tube is a good replacement for the 6jb6 . I think in most
> > cases it is. I have read that some people cut pin 8 off which I
> > think is a good practice. I have tried numerous brands ,
> > Sylvania ,Raytheon zenith. Ive had some tubes all with the same
> > number look different internally. I had problems with what i
> > thought was a bad plate meter- I tried my last set of 6gj5 and
> > the problems disappeared , They aren't matched current wise the
> > best but they run cool, ALOT cooler than the others and my plate
> > meter returned to normal. I definitely think there is a
> > difference in tube construction here. I dont know what brands to
> > recommend but if Richard and Curt has done the research maybe

> > ridding the tubes of pin 8 maybe a good idea. If this had
> > occurred after just a tube change, it would be easy to diagnose--
> > if it occurs after you have done some major repairs, (me) . It
> > can lead you down the wrong road. Lesson learned here for me. I
> > had all my tube voltages but The darned thing still ran hot! I
> > can touch the tubes after shutdown and high voltage dissipation
> > has occurred , vs before with the other 6gj5 you could not get
> > near the tubes. The T4X I have is relatively old- serial wise- i
> > wonder if the tube sockets are wired differently, in the newer
> > series. Any thoughts ? And thanks to all that posted here to
> > help. 73, John
>
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
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42927. Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-07 23:47:58 UTC
From: Jeffrey Angus
Topic: 42927 Message: 42927

The NJ7P tube database is a good reference source of information.
The 6JB6 EIA Base 9QL has the cathode on pin-3 and the
suppressor grid on pin-8. They are separate. Not connected
together.
Interestingly, they list 6KM6 and 6JU6 as preferred substitutes.

The 6GJ5 has the EIA Base 9NM. The suppressor and cathode are
tied together at pin-3. Pin-8 specifically says "do not use."
Hence the "Cut that pin off at the base of the tube" comments.

The reason for this is that in the T-4X pin-8 is tied to ground.
Either cut pin-8 on the tubes, or disconnect pin-8 from ground
at the socket. Failure to do this will short the cathode directly to
ground.This completely bypasses the cathode resistors, the
meter shunt resistors and the plate meter.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42928. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 00:00:29 UTC
From: Steve Wedge
Topic: 42877 Message: 42928

There are very few differences in the transmitters, John. I took a look at the manuals I have for both and can find no differences in the PA circuits. Both have pin 8 grounded.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Wed, Feb 7, 2018 at 5:29 PM, john g johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Its working great now Curt--I am located in NY--- I measured all voltages
> the most direct way possible both sides of rf chokes, plate caps etc . The
> darned tubes have different construction . It caused me a lot of tail
> chasing. I do not know if the T4x is different in base wiring than the
> t4xb.
>
> On ☐Wednesday☐, ☐February☐ ☐7☐, ☐2018☐ ☐05☐:☐13☐:☐35☐ ☐PM☐ ☐EST, Richard
> Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
> wrote:
>
>
> Before cutting pin 8 check the continuity to pin 3. If there
> is none I don't think cutting the pin serves any purpose and may
> damage the glass. I definitely saw the same thing you did, a
> difference in construction but I see that with the 6BJ6 and many
> other tubes. I think I discovered the connected pins when testing
> the tubes on my TV-7B/U. I made an adapter for the large base
> tubes so I can check these and match them. I am not sure matching
> is as important as is sometimes claimed but also I don't think
> the tubes should be too different.
> Grounding the cathode will definitely affect both the meter
> and probably the bias.
> Ultimately it would be good to be able to measure distortion
> with a two tone test but I don't have the means for it. When I
> worked for Hewlett-Packard I became an expert in the spectrum
> analyzers they made and always wanted one. It seems it will be
> the last thing I will get.
>
> On 2/7/2018 1:46 PM, johng101501@... [DrakeRadio] wrote:
> >
> >
> > Ok I have an interesting development--- I too had read that the

> > 6gj5 tube is a good replacement for the 6jb6 . I think in most
> > cases it is. I have read that some people cut pin 8 off which I
> > think is a good practice. I have tried numerous brands ,
> > Sylvania ,Raytheon zenith. Ive had some tubes all with the same
> > number look different internally. I had problems with what i
> > thought was a bad plate meter- I tried my last set of 6gj5 and
> > the problems disappeared , They aren't matched current wise the
> > best but they run cool, ALOT cooler than the others and my plate
> > meter returned to normal. I definitely think there is a
> > difference in tube construction here. I dont know what brands to
> > recommend but if Richard and Curt has done the research maybe
> > ridding the tubes of pin 8 maybe a good idea. If this had
> > occurred after just a tube change, it would be easy to diagnose--
> > if it occurs after you have done some major repairs, (me) . It
> > can lead you down the wrong road. Lesson learned here for me. I
> > had all my tube voltages but The darned thing still ran hot! I
> > can touch the tubes after shutdown and high voltage dissipation
> > has occurred , vs before with the other 6gj5 you could not get
> > near the tubes. The T4X I have is relatively old- serial wise- i
> > wonder if the tube sockets are wired differently, in the newer
> > series.. Any thoughts ? And thanks to all that posted here to
> > help. 73, John
>
>
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
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42929. Re: Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 00:37:35 UTC
From: john g
Topic: 42927 Message: 42929

Great stuff! now I know why - however my dumonts- 6gj5 are working fb. Who would have thought that? Thanks for your input!

42930. Re: [DrakeRadio] Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 00:42:00 UTC
From: MadScientist
Topic: 42927 Message: 42930

I knew about the about the suppressor internal connection to the Cathode. However, that connection is via pin 3, not pin 8.

If you plug the 6GJ5 tube into a TR4 to T4 nothing bad will happen because the grounded pin 8 goes nowhere inside the tube.

Pin 8 on the 6GJ5 is not connected to anything inside the tube.

I have used the 6GJ5 in T-4 transmitters and TR4 transceivers and everything worked fine, even the Cathode current meter…

Check the data sheet please.

Gary

> On Feb 7, 2018, at 5:47 PM, Jeffrey Angus jdangus@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> The NJ7P tube database is a good reference source of information.
> The 6JB6 EIA Base 9QL has the cathode on pin-3 and the
> suppressor grid on pin-8. They are separate. Not connected
> together.
> Interestingly, they list 6KM6 and 6JU6 as preferred substitutes.
>
> The 6GJ5 has the EIA Base 9NM. The suppressor and cathode are
> tied together at pin-3. Pin-8 specifically says "do not use."
> Hence the "Cut that pin off at the base of the tube" comments.
>
> The reason for this is that in the T-4X pin-8 is tied to ground.
> Either cut pin-8 on the tubes, or disconnect pin-8 from ground
> at the socket. Failure to do this will short the cathode directly to
> ground.This completely bypasses the cathode resistors, the
> meter shunt resistors and the plate meter.
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com <http://www.foxsmercantile.com/>
>
>

42931. Re: [DrakeRadio] Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 00:49:56 UTC
From: Jeffrey Angus
Topic: 42927 Message: 42931

On 2/7/18 6:42 PM, MadScientist wrote:
> Check the data sheet please.
Mea Culpa.
Somehow I was thinking that pins 3 and 8 were tied together
inside the tube.
Although, the data sheet does caution against connecting
anything to pins 8 or 9.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42932. Re: [DrakeRadio] Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 01:12:37 UTC
From: Bob Loving
Topic: 42927 Message: 42932

I have removed the ground lead to pin 8 on the socket in T-4XC. That was only as a precaution after reading the spec sheet about "internal connection to pin 8." However, if one looks inside the, thankfully, totally glass envelope of the 6GJ5, one can see if there is a connection to the pin. So far, I have not seen any but it is not gospel.
Bob K9JU

On Wednesday, February 7, 2018 7:50 PM, "Jeffrey Angus jdangus@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

> On 2/7/18 6:42 PM, MadScientist wrote:
> Check the data sheet please.
Mea Culpa.
Somehow I was thinking that pins 3 and 8 were tied together
inside the tube.
Although, the data sheet does caution against connecting
anything to pins 8 or 9.

--
"I am a river to my people."
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www.foxsmercantile.com

42933. Re: [DrakeRadio] Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 01:43:24 UTC
From: MadScientist
Topic: 42927 Message: 42933

Cautions are often based one possible failure modes of a given tube, no matter how remote those possibilities might be. If a short were to grow across the Mica spacer(s), one might get grounding of SOMETHING through pin 8, but certainly NOT the Cathode.

This would be regarded as highly unlikely since the wire from the press stem base pin 8 simply goes up to the lower Mica and acts simply as a stabilizer for the Mica. The closest thing to it is pin 9, which is designated “IC” or “internal connection. However, it only goes to the Mica and does not connect to any tube elements.

Pin 7 is the screen and you’d have to short across a LOT of Mica to develop a short to screen.

There is a little flag welded to the pin 8 wire, I believe it may be there to broaden the support for the lower Mica. There is no getter residue nearby on the glass so it is not associated with the getter pump.

Gary

> On Feb 7, 2018, at 6:49 PM, Jeffrey Angus jdangus@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> On 2/7/18 6:42 PM, MadScientist wrote:
> > Check the data sheet please.
> Mea Culpa.
> Somehow I was thinking that pins 3 and 8 were tied together
> inside the tube.
> Although, the data sheet does caution against connecting
> anything to pins 8 or 9.
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> --
> "I am a river to my people."
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>
>

42934. Re: [DrakeRadio] Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 02:47:30 UTC
From: john g
Topic: 42927 Message: 42934

This could be looked at a number of ways but i know that the differences in performances of 6jb6 tubes of different manufactures mirrors that of the 6gj5. I dont know what differences there are , or what pins are affected but with the tube change away went the problem. I think there must have been something with the pin 8 thing, But i dont know what . I know the resistance measurements varied drastically , Raytheon vs Sylvania. as plugged into the drake chassis. The tubes sure looked nos but who really knows. ?

On ☐Wednesday☐, ☐February☐ ☐7☐, ☐2018☐ ☐08☐:☐43☐:☐31☐ ☐PM☐ ☐EST, MadScientist dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Cautions are often based one possible failure modes of a given tube, no matter how remote those possibilities might be. If a short were to grow across the Mica spacer(s), one might get grounding of SOMETHING through pin 8, but certainly NOT the Cathode.

This would be regarded as highly unlikely since the wire from the press stem base pin 8 simply goes up to the lower Mica and acts simply as a stabilizer for the Mica. The closest thing to it is pin 9, which is designated “IC” or “internal connection. However, it only goes to the Mica and does not connect to any tube elements.
Pin 7 is the screen and you’d have to short across a LOT of Mica to develop a short to screen.
There is a little flag welded to the pin 8 wire, I believe it may be there to broaden the support for the lower Mica. There is no getter residue nearby on the glass so it is not associated with the getter pump..
Gary

On Feb 7, 2018, at 6:49 PM, Jeffrey Angus jdangus@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

On 2/7/18 6:42 PM, MadScientist wrote:
> Check the data sheet please.
Mea Culpa.
Somehow I was thinking that pins 3 and 8 were tied together
inside the tube.
Although, the data sheet does caution against connecting
anything to pins 8 or 9.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42935. Re: [DrakeRadio] Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 03:07:09 UTC
From: Bill Houghton
Topic: 42927 Message: 42935

There could be differences between manufacturers of the same tube type or different versions of the same tube type, perhaps made years apart. In the world of Swan rigs a commonly used driver tube is the 6GK6. As I understand it, the original versions had an unused pin. The pin was present on the glass base, likely to avoid indexing problems, but there was no connection inside the tube to anything. Swan, knowing that the pin was unused, decided to use the solder lug on the tube socket of the unused pin as a tie point in the rig.
Later in life, 6GK6's came out that had an internal connection to this same unused pin. The caution in some Swan circles is to look at this pin on a 6GK6 before installing it into the rig. Either cut off the pin or install another tie point such as a short terminal strip, etc.
73,
Bill, WA6NEQ
From: "john g johng101501@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: "MadScientist dukeshifi@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Wednesday, February 7, 2018 6:47 PM
Subject: Re: [DrakeRadio] Sweep tube substitutions

  This could be looked at a number of ways but i know that the differences in performances of 6jb6 tubes of different manufactures mirrors that of the 6gj5. I dont know what differences there are , or what pins are affected but with the tube change away went the problem. I think there must have been something with the pin 8 thing, But i dont know what . I know the resistance measurements varied drastically , Raytheon vs Sylvania. as plugged into the drake chassis. The tubes sure looked nos but who really knows. ?

On ☐Wednesday☐, ☐February☐ ☐7☐, ☐2018☐ ☐08☐:☐43☐:☐31☐ ☐PM☐ ☐EST, MadScientist dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

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Pin 7 is the screen and you’d have to short across a LOT of Mica to develop a short to screen.
There is a little flag welded to the pin 8 wire, I believe it may be there to broaden the support for the lower Mica. There is no getter residue nearby on the glass so it is not associated with the getter pump..
Gary

On Feb 7, 2018, at 6:49 PM, Jeffrey Angus jdangus@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
On 2/7/18 6:42 PM, MadScientist wrote:
> Check the data sheet please.

Mea Culpa.
Somehow I was thinking that pins 3 and 8 were tied together
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anything to pins 8 or 9.

--
"I am a river to my people."
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www.foxsmercantile.com

42936. Re: [DrakeRadio] Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 12:52:42 UTC
From: Steve Wedge
Topic: 42927 Message: 42936

Just to add to the sample size, I have a pair of 6GJ5's (GE) and both .8
and .9 go nowhere inside the envelope. Just unconnected pins.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Wed, Feb 7, 2018 at 8:43 PM, MadScientist dukeshifi@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Cautions are often based one possible failure modes of a given tube, no
> matter how remote those possibilities might be. If a short were to grow
> across the Mica spacer(s), one might get grounding of SOMETHING through pin
> 8, but certainly NOT the Cathode.
>
> This would be regarded as highly unlikely since the wire from the press
> stem base pin 8 simply goes up to the lower Mica and acts simply as a
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> designated “IC” or “internal connection. However, it only goes to the Mica
> and does not connect to any tube elements.
>
> Pin 7 is the screen and you’d have to short across a LOT of Mica to
> develop a short to screen.
>
> There is a little flag welded to the pin 8 wire, I believe it may be there
> to broaden the support for the lower Mica. There is no getter residue
> nearby on the glass so it is not associated with the getter pump..
>
> Gary
>
> On Feb 7, 2018, at 6:49 PM, Jeffrey Angus jdangus@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com> wrote:
>
> On 2/7/18 6:42 PM, MadScientist wrote:
> > Check the data sheet please.
> Mea Culpa.
> Somehow I was thinking that pins 3 and 8 were tied together
> inside the tube.
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> anything to pins 8 or 9.
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> --
> "I am a river to my people."
> Jeff-1.0

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> www.foxsmercantile.com
>
>
>
>

42937. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 14:06:17 UTC
From: Curt Nixon
Topic: 42877 Message: 42937

It is not too far fetched to think that the use of unused socket assignments would change along the long run of T4Xx.? That has always been a cause for concern when doing equivalent tube changes.

In this case, the tube specs are VERY close and there appears to be no significant difference, but I agree with Richard that a full blown, properly instrumented test would be nice.

Richard...I am so lucky to have found a full set of HP141 system components including enough IF modules for every SA module so no re-cals required when changing bands, spares, and two tracking generators.?? In current call too!.? It was a wonderful example of one ham sharing with another--all I had to do was drive to pick it up.? Probably the last generation of user serviceable SA's.? Oh, full set of REAL service and user manuals for every module.??? It has really been helpful in my EME/filter characterization and alignment tasks here already.

Curt KU8L

On 02/07/18 5:12 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> Before cutting pin 8 check the continuity to pin 3. If there
> is none I don't think cutting the pin serves any purpose and may
> damage the glass. I definitely saw the same thing you did, a
> difference in construction but I see that with the 6BJ6 and many
> other tubes. I think I discovered the connected pins when testing
> the tubes on my TV-7B/U. I made an adapter for the large base
> tubes so I can check these and match them. I am not sure matching
> is as important as is sometimes claimed but also I don't think
> the tubes should be too different.
> Grounding the cathode will definitely affect both the meter
> and probably the bias.
> Ultimately it would be good to be able to measure distortion
> with a two tone test but I don't have the means for it. When I
> worked for Hewlett-Packard I became an expert in the spectrum
> analyzers they made and always wanted one. It seems it will be
> the last thing I will get.
>
> On 2/7/2018 1:46 PM, johng101501@... [DrakeRadio] wrote:
>>
>> Ok I have an interesting development--- I too had read that the
>> 6gj5 tube is a good replacement for the 6jb6 . I think in most
>> cases it is. I have read that? some people cut pin 8 off which I
>> think is a good practice. I have? tried numerous brands ,
>> Sylvania ,Raytheon? zenith. Ive had some tubes all with the same
>> number look different internally. I had problems with what i

>> thought was a bad plate meter- I tried my last set of 6gj5 and
>> the problems disappeared , They aren't matched current wise the
>> best but they run cool, ALOT cooler than the others and my plate
>> meter returned to normal. I definitely think there is a
>> difference in tube construction here.? I dont know what brands to
>> recommend but if Richard and Curt has done the research maybe
>> ridding the tubes of pin 8 maybe a good idea. If this had
>> occurred after just a tube change, it would be easy to diagnose--
>> if it occurs after you have done some major repairs, (me)? . It
>> can lead you down the wrong road. Lesson learned here for me. I
>> had all my tube voltages but The darned thing still ran hot! I
>> can touch the tubes after shutdown and high voltage dissipation
>> has occurred , vs before with the other 6gj5 you could not get
>> near the tubes. The T4X I have is relatively old- serial wise- i
>> wonder if the tube sockets are wired differently, in the newer
>> series. Any thoughts ?? And thanks to all that posted here to
>> help. 73, John
>

42938. Re: [DrakeRadio] Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 14:08:22 UTC
From: Curt Nixon
Topic: 42927 Message: 42938

Yep..

On 02/07/18 6:47 PM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
>
> The NJ7P tube database is a good reference source of information.
> The 6JB6 EIA Base 9QL has the cathode on pin-3 and the
> suppressor grid on pin-8. They are separate. Not connected
> together.
> Interestingly, they list 6KM6 and 6JU6 as preferred substitutes.
>
> The 6GJ5 has the EIA Base 9NM. The suppressor and cathode are
> tied together at pin-3. Pin-8 specifically says "do not use."
> Hence the "Cut that pin off at the base of the tube" comments.
>
> The reason for this is that in the T-4X pin-8 is tied to ground.
> Either cut pin-8 on the tubes, or disconnect pin-8 from ground
> at the socket. Failure to do this will short the cathode directly to
> ground.This completely bypasses the cathode resistors, the
> meter shunt resistors and the plate meter.
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>

42939. MN-4 power/SWR meter

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 18:34:59 UTC
From: g0gkh@...
Topic: 42939 Message: 42939

Hi, just got hold of an MN-4 tuner. Serial 630, can see from the info on the WA4HFN page that it's quite an early one.

It works just fine, apart from the meter, this bounces around on transmit with a mind of its own.

I always run with another power/swr meter in line and I can see the power out is perfectly steady and that the tuner can tune to 1:1 no problem, but it's like the meter movement is reacting to static build-up on the plastic face., as I move my hand across the meter reads wildly different, even though my other meter shows solid 100w.
Any ideas how to solve this please?

Thanks

Dave G0GKH

42940. Re: [DrakeRadio] MN-4 power/SWR meter

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 18:39:28 UTC
From: KL7AM
Topic: 42939 Message: 42940

Static Fixer:

I use fabric Softener sheets that are used to put in the dryer when drying clothes. Rub ine of those on the meter face and problem solved

From: "DrakeRadio" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
Sent: Thursday, February 8, 2018 9:34:59 AM
Subject: [DrakeRadio] MN-4 power/SWR meter

Hi, just got hold of an MN-4 tuner. Serial 630, can see from the info on the WA4HFN page that it's quite an early one.

It works just fine, apart from the meter, this bounces around on transmit with a mind of its own.

I always run with another power/swr meter in line and I can see the power out is perfectly steady and that the tuner can tune to 1:1 no problem, but it's like the meter movement is reacting to static build-up on the plastic face., as I move my hand across the meter reads wildly different, even though my other meter shows solid 100w.
Any ideas how to solve this please?

Thanks

Dave G0GKH

42941. Re: [DrakeRadio] MN-4 power/SWR meter

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 19:46:55 UTC
From: declind@...
Topic: 42939 Message: 42941

What a great tip, just tried it on my tuner meter. Thanks
Jan VE2JL

42942. Re: MN-4 power/SWR meter

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 20:09:09 UTC
From: g0gkh@...
Topic: 42939 Message: 42942

thanks for the info, I'll try this out.

73, Dave

42943. RE: [DrakeRadio] MN-4 power/SWR meter

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 20:09:19 UTC
From: Joe
Topic: 42939 Message: 42943

Just a reminder to all our users: Please, quote what you are replying to. With so many posts, and many readers don’t use webmail, so the previous posts are deleted as read, which means, they can’t go back and see what the post refers to!

Many thanks!

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] MN-4 power/SWR meter

What a great tip, just tried it on my tuner meter.

Thanks

Jan VE2JL

42944. Re: [DrakeRadio] MN-4 power/SWR meter

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 21:37:15 UTC
From: Richard Knoppow
Topic: 42939 Message: 42944

I wonder if the bouncing meter is the same as on the TR-4 and some other places. Drake evidently bought bargain basement meters that either had no damping or lost their damping with time. I investigated this and was unable to find out a cure for the problem. Most meters will be highly damped if the terminals are shorted together, in fact that is how they should be shipped. The Drake meters are the same whether they are shorted or open. There is something about them that I don't understand.

On 2/8/2018 10:34 AM, g0gkh@... [DrakeRadio] wrote:
>
>
> Hi, just got hold of an MN-4 tuner.? Serial 630, can see from the
> info on the WA4HFN page that it's quite an early one.
>
> It works just fine, apart from the meter, this bounces around on
> transmit with a mind of its own.

--
Richard Knoppow
1oldlens1@...
WB6KBL

42945. Re: [DrakeRadio] Re: t4x problem solved

Yahoo group: DrakeRadio (2018)
Date: 2018-02-08 21:44:29 UTC
From: Richard Knoppow
Topic: 42877 Message: 42945

You were very lucky. I worked on the 141 series SA's at -hp- and its the one I would like to have. Medium complex, I would not want to deal with the newer ones with microprocessors in them although they make automatic corrections for calibrations. I had lots of notes on these and on the 851/8551 SA but I don't know if they have survived in storage. -hp- understood SA's better than some of the competition, particularly Tek. The shape of the passband is very important, if not right it can generate spurious responses. IMO a good SA is close to a scope as the most important single instrument in an electronic lab. Of course, they are really different versions of the same thing, the scope working in the time domain and the SA in the frequency domain. I think I used to be smarter than I am now.

On 2/8/2018 6:06 AM, Curt Nixon wrote:
>
>
> Richard...I am so lucky to have found a full set of HP141 system
> components including enough IF modules for every SA module so no
> re-cals required when changing bands, spares, and two tracking
> generators.?? In current call too!.? It was a wonderful
> example of one ham sharing with another--all I had to do was
> drive to pick it up.? Probably the last generation of user
> serviceable SA's.? Oh, full set of REAL service and user
> manuals for every module.??? It has really been helpful in
> my EME/filter characterization and alignment tasks here already.
>
> Curt KU8L

--
Richard Knoppow
1oldlens1@...
WB6KBL

42946. T4XB Sidetone Mod

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 03:03:12 UTC
From: Tom Hellem
Topic: 42946 Message: 42946

Has anyone done the sidetone mod for the T4XB and if so
how does the improved sidetone differ from the original ?
The original is pretty wimpy and certainly can use some help.

Tom
K0SN

42947. L-7 Resistors

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 11:31:56 UTC
From: Max Cotton
Topic: 42947 Message: 42947

Thanks for the confirmation on the 50k resistors, just going to order them, now while I am there the L-7 that I have has the Peter Dahl uprated transformer inside so the HT is that bit higher, now the ALC resistor probably takes a bit of a caning with this higher voltage so replacement is necessary, now I have a choice, I have either 2 x 10k 10W or a 4k7 10w wire wounds, due to the higher voltages is it better to stick with 5k or go for 4k7.

73 Max M0GHQ

42948. PS-7 capacitors

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 11:52:32 UTC
From: Max Cotton
Topic: 42948 Message: 42948

I was reading somewhere that there might be some mileage in replacing the L-7 power supply caps with 330uF 450V instead of the 220uF which can be fitted with a replacement board, I have a Harbach board which I am going to populate, however those bigger capacity units are slightly taller by upto 10mm than the supplied 220uF's has anyone done this 'upgrade' and if so how close are those 330's to the top 50k resistor as it looks pretty close to me.

73 Max M0GHQ

42949. Re: [DrakeRadio] MN-4 power/SWR meter

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 14:58:46 UTC
From: MadScientist
Topic: 42939 Message: 42949

They are CHEAP meters.

Ten Tec did the same thing, using the cheapest moving meter they could find.

I have fixed dozens of the cheap TT meters by un-taping (yuck design) the front from the meter and backing off the pivot screw 1/4 turn. While this over tightening may have been a feeble attempt at damping, often even the tiniest bit of dirt or oils from the air would cause them to seize.

The Drake/Ameco meters are a different matter.

You are correct in several ways. Good meters depend on magnetic damping (via the shorted terminals) to protect the movements during shipping. Also, good meters do have additional damping, though not necessarily due to regenerative magnetics. You can tell this by removing the good meter from its case (in a clean space) and blowing lightly on the pointer. It will move slowly on the up direction and then return slowly relative to the cheaper meters.

To be honest, I do not know how they accomplish this since any shouting to bring about magnetic damping would affect meter reading when in operation. I suppose there COULD be a damping load resistor inside, and that would just be figured into the calibration.

The really cheap meters like Drake and TenTec used were usually so imprecise that such damping was of little benefit. The ultimate in cheap, the springy meters used on Heathkits, were the extreme in this regard, with the Ameco’s not far behind.

Gary

> On Feb 8, 2018, at 3:37 PM, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I wonder if the bouncing meter is the same as on the TR-4 and
> some other places. Drake evidently bought bargain basement meters
> that either had no damping or lost their damping with time. I
> investigated this and was unable to find out a cure for the
> problem. Most meters will be highly damped if the terminals are
> shorted together, in fact that is how they should be shipped. The
> Drake meters are the same whether they are shorted or open. There
> is something about them that I don't understand.
>
> On 2/8/2018 10:34 AM, g0gkh@yahoo.com [DrakeRadio] wrote:
>>
>>
>> Hi, just got hold of an MN-4 tuner. Serial 630, can see from the
>> info on the WA4HFN page that it's quite an early one.
>>
>> It works just fine, apart from the meter, this bounces around on

>> transmit with a mind of its own.
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
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> Yahoo Groups Links
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42950. Re: [DrakeRadio] MN-4 power/SWR meter

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 15:17:39 UTC
From: Barry
Topic: 42939 Message: 42950

The military let contracts for an HP-410B clone (ME-26D/U) VTVM which had a inferior meter to the HP models. I had one that was pretty much NIB and got rid of it due primarily to the cheaper movement. Nothing like the syrupy movements in the HP-410B. Older units had an added damping cap that _really_ makes that effect even "smoother" but eliminated it in later models. I guess it was too much for most uses.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "MadScientist dukeshifi@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: "WB6TNF handyjimbo@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>, "Richard Knoppow"
> <1oldlens1@....com>
> Cc: g0gkh@...
> Sent: Friday, February 9, 2018 8:58:46 AM
> Subject: Re: [DrakeRadio] MN-4 power/SWR meter
>
> They are CHEAP meters.
>
> Ten Tec did the same thing, using the cheapest moving meter they could find..
>
> I have fixed dozens of the cheap TT meters by un-taping (yuck design) the
> front from the meter and backing off the pivot screw 1/4 turn. While this
> over tightening may have been a feeble attempt at damping, often even the
> tiniest bit of dirt or oils from the air would cause them to seize.
>
> The Drake/Ameco meters are a different matter.
>
> You are correct in several ways. Good meters depend on magnetic damping (via
> the shorted terminals) to protect the movements during shipping. Also, good
> meters do have additional damping, though not necessarily due to
> regenerative magnetics. You can tell this by removing the good meter from
> its case (in a clean space) and blowing lightly on the pointer. It will move
> slowly on the up direction and then return slowly relative to the cheaper
> meters.
>
> To be honest, I do not know how they accomplish this since any shouting to
> bring about magnetic damping would affect meter reading when in operation. I
> suppose there COULD be a damping load resistor inside, and that would just
> be figured into the calibration.
>
> The really cheap meters like Drake and TenTec used were usually so imprecise
> that such damping was of little benefit. The ultimate in cheap, the springy
> meters used on Heathkits, were the extreme in this regard, with the Ameco’s
> not far behind.

>
> Gary
>
>
>
> > On Feb 8, 2018, at 3:37 PM, Richard Knoppow 1oldlens1@...
> > [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
> >
> > I wonder if the bouncing meter is the same as on the TR-4 and
> > some other places. Drake evidently bought bargain basement meters
> > that either had no damping or lost their damping with time. I
> > investigated this and was unable to find out a cure for the
> > problem. Most meters will be highly damped if the terminals are
> > shorted together, in fact that is how they should be shipped. The
> > Drake meters are the same whether they are shorted or open. There
> > is something about them that I don't understand.
> >
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> >> Hi, just got hold of an MN-4 tuner. Serial 630, can see from the
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> >> It works just fine, apart from the meter, this bounces around on
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> > --
> > Richard Knoppow
> > 1oldlens1@...
> > WB6KBL
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> > Yahoo Groups Links
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> ------------------------------------
> Posted by: MadScientist <dukeshifi@...>
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> Yahoo Groups Links
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42951. Re: [DrakeRadio] PS-7 capacitors

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 15:30:06 UTC
From: Evan
Topic: 42948 Message: 42951

Max,

I've installed the mod on dozens of Drake amps. There are several sizes of 330 mfd 450 v caps and one just has to pick the size that fits.

73,

Evan, K9SQG

-----Original Message-----
From: Max Cotton m0ghq@outlook.com [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Fri, Feb 9, 2018 6:55 am
Subject: [DrakeRadio] PS-7 capacitors

I was reading somewhere that there might be some mileage in replacing the L-7 power supply caps with 330uF 450V instead of the 220uF which can be fitted with a replacement board, I have a Harbach board which I am going to populate, however those bigger capacity units are slightly taller by upto 10mm than the supplied 220uF's has anyone done this 'upgrade' and if so how close are those 330's to the top 50k resistor as it looks pretty close to me.
73 Max M0GHQ

42952. Re: [DrakeRadio] L-7 Resistors

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 17:03:41 UTC
From: KL7AM
Topic: 42947 Message: 42952

I have an L-7 with the Dahl higher voltage transformer. I found that the increased voltage made the 50K resistors to make even more heat than they had with the original Drake transformer which is what would be expected. I found it to be an unacceptable amount and will be making changes...The L7 easily makes legal limit out with the Dahl transformer though!

Marty
KL7AM

From: "DrakeRadio" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
Sent: Friday, February 9, 2018 2:31:56 AM
Subject: [DrakeRadio] L-7 Resistors

Thanks for the confirmation on the 50k resistors, just going to order them, now while I am there the L-7 that I have has the Peter Dahl uprated transformer inside so the HT is that bit higher, now the ALC resistor probably takes a bit of a caning with this higher voltage so replacement is necessary, now I have a choice, I have either 2 x 10k 10W or a 4k7 10w wire wounds, due to the higher voltages is it better to stick with 5k or go for 4k7.

73 Max M0GHQ

42953. Re: [DrakeRadio] L-7 Resistors

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 17:24:20 UTC
From: kd2e@...
Topic: 42947 Message: 42953
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

42954. Re: [DrakeRadio] L-7 Resistors

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 17:25:41 UTC
From: Stan Gammons
Topic: 42947 Message: 42954

I mounted 2 - 120 mm muffin fans on the top of my L-4B power supply.
They are DC fans powered by a wall wort. Those keep things nice and cool.

73

Stan
KM4HQE

On 02/09/2018 11:03 AM, KL7AM w7apm@... [DrakeRadio] wrote:
> I have an L-7 with the Dahl higher voltage transformer. I found that
> the increased voltage made the 50K resistors to make even more heat
> than they had with the original Drake transformer which is what would
> be expected. I found it to be an unacceptable amount and will be
> making changes...The L7 easily makes legal limit out with the Dahl
> transformer though!
>
> Marty
> KL7AM
>
>
> ---
> *From: *"DrakeRadio" <DrakeRadio@yahoogroups.com>
> *To: *"DrakeRadio" <DrakeRadio@yahoogroups.com>
> *Sent: *Friday, February 9, 2018 2:31:56 AM
> *Subject: *[DrakeRadio] L-7 Resistors
>
> Thanks for the confirmation on the 50k resistors, just going to order
> them, now while I am there the L-7 that I have has the Peter Dahl
> uprated transformer inside so the HT is that bit higher, now the ALC
> resistor probably takes a bit of a caning with this higher voltage so
> replacement is necessary, now I have a choice, I have either 2 x 10k
> 10W or a 4k7 10w wire wounds, due to the higher voltages is it better
> to stick with 5k or go for 4k7.
>
> 73 Max M0GHQ
>
>
>

42955. R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 17:45:03 UTC
From: garywinblad@...
Topic: 42955 Message: 42955

I am making great strides in getting my old 13 tube R-4A tweeked up but have a question.

My LSB is consistently about 2 S-units weaker than USB. I can't seem to get it any better no
matter how many times I do the alignment procedure. I do remember noticing this in the past but think it was less than 2 S-units...

One problem I do notice is T7 and T10, the manual says adjustment will be quite broad. That seems to be an understatement at best, I see no change from one end to the other. Is this a problem?

The BFO is right on and pitch sounds good from one end to the other of the passband adjust.

Thanks,
73,
Gary
WB6OGD

42956. Re: [DrakeRadio] R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 18:46:23 UTC
From: Steve Wedge
Topic: 42955 Message: 42956

Gary, what position is the PBT knob when the slugs in the PBT are fully to the rear of the set?

I agree with you about the broad adjustment. Your odds of T7 & 10 being the cause are reduced if the slugs are somewhere in the middle of their ranges - assuming good transformers. About the only other thing that can kill it is if the oscillator frequencies are way off.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Fri, Feb 9, 2018 at 12:45 PM, garywinblad@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> I am making great strides in getting my old 13 tube R-4A tweeked up but
> have a question.
>
>
> My LSB is consistently about 2 S-units weaker than USB. I can't seem to
> get it any better no
>
> matter how many times I do the alignment procedure. I do remember
> noticing this in the past
>
> but think it was less than 2 S-units...
>
>
> One problem I do notice is T7 and T10, the manual says adjustment will be
> quite broad.
>
> That seems to be an understatement at best, I see no change from one end
> to the other.
>
> Is this a problem?
>
>
> The BFO is right on and pitch sounds good from one end to the other of the
> passband adjust.
>
>
> Thanks,
>
> 73,

>
> Gary
>
> WB6OGD
>
>
>
>

42957. Re: [DrakeRadio] R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 19:05:19 UTC
From: garywinblad@...
Topic: 42955 Message: 42957

Thanks Steve,
Horizontal to the left. I do notice that one of the slugs is just a smidge longer after adjustment but thats
the only thing that is at all questionable. I was wondering though if maybe all of them should be cranked
in (or out) and then aligned? The ends of the springs are just about even with the back plate at max.
Mechanically its smooth and easy.

But it does seem that if the BFO is right, and the "pitch" is right on all
widths, it should be right..? Audio sounds great on signals of both LSB/USB.

I can put the T7/T10 slugs anywhere, think I left them in about the middle last time. I don't see any signal
variation at all. I have turned them so much they seem to get "tight", looks like brass against brass,
micro-galling or something? Do you think it would be safe to add a drop of some lubricant? Or could
the ferrite be binding in the cardboard(?). I can see the ferrite has not detached from the brass, that
was my first guestimate...

73,
Gary
WB6OGD

42958. Re: [DrakeRadio] R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 20:06:24 UTC
From: Steve Wedge
Topic: 42955 Message: 42958

Oh, re lubricants: I've heard that talcum powder is the best for such things. Never use a liquid as it would swell the cardboard.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Feb 9, 2018, at 14:05, garywinblad@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Thanks Steve,
>
> Horizontal to the left. I do notice that one of the slugs is just a smidge longer after adjustment but thats
>
> the only thing that is at all questionable. I was wondering though if maybe all of them should be cranked
>
> in (or out) and then aligned? The ends of the springs are just about even with the back plate at max.
>
> Mechanically its smooth and easy.
>
>
>
> But it does seem that if the BFO is right, and the "pitch" is right on all
>
> widths, it should be right..? Audio sounds great on signals of both LSB/USB.
>
>
>
> I can put the T7/T10 slugs anywhere, think I left them in about the middle last time. I don't see any signal
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> variation at all. I have turned them so much they seem to get "tight", looks like brass against brass,
>
> micro-galling or something? Do you think it would be safe to add a drop of some lubricant? Or could
>
> the ferrite be binding in the cardboard(?). I can see the ferrite has not detached from the brass, that
>
> was my first guestimate...
>
>

>
> 73,
>
> Gary
>
> WB6OGD
>
>
>
>
>
>

42959. Re: L-7 Resistors

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 20:31:58 UTC
From: Max Cotton
Topic: 42947 Message: 42959

Marty...
So it’s good for 1500 out, Key down on SSB mode with ???100 watt drive??
....Dave

Sent from XFINITY Connect Mobile App

You get about 200W more roughly, 2800V HT x 0.8A* on PA x 60% efficiency gives 1344W PEP on a good day with a following wind... *according to the handbook.

I expect on peaks it does do the gallon and a half...easily.

73 Max M0GHQ

42960. Re: [DrakeRadio] Re: L-7 Resistors

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 20:52:58 UTC
From: KL7AM
Topic: 42947 Message: 42960

Mine did 100 out easily and may have been less than 100W drive

From: "DrakeRadio" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
Sent: Friday, February 9, 2018 11:31:58 AM
Subject: [DrakeRadio] Re: L-7 Resistors

Marty...
So it’s good for 1500 out, Key down on SSB mode with ???100 watt drive??
....Dave

Sent from XFINITY Connect Mobile App

You get about 200W more roughly, 2800V HT x 0.8A* on PA x 60% efficiency gives 1344W PEP on a good day with a following wind... *according to the handbook.

I expect on peaks it does do the gallon and a half...easily.

73 Max M0GHQ

42961. Re: [DrakeRadio] R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 20:57:21 UTC
From: Richard Knoppow
Topic: 42955 Message: 42961

As seems to happen with Yahoo, I am missing the original post so am not sure what the problem is.
However, I recently had a problem with the tunable IF in an R4B that might be the same and found the transformer tuning was off. I am not sure what did this and am awaiting some new tubes to be sure. However, the symptom was that the tuning was very non-symmetrical.
I found that one of the tuned circuits ahead of the tunable filter was quite a bit off. Not sure if it was T5 or T7 but only one. I checked the frequency of the carrier oscillator which was OK. I think the signal was being pushed to one side of the crystal roofing filter. At any rate after adjusting it the tuned IF works correctly. I suggest going through the whole adjustment procedure for the IF.
The method of adjusting the tunable filter works fine. To go over it briefly, begin by rotating the pass band knob around until the slugs stick out the back the furthest. Then loosen the knob and set so it points to the _left_ and fix the set screws. Now set the bandwidth tuning to the center of the shortest of the lines (not the center). Set the bandwidth adjustment to minimum and tune in the calibrator (at any frequency). Now adjust the four slugs for a peak. I use an alligator clip to clamp the end of each slug to turn it. I can do this with no backlash. When you have this done turn off the calibrator and move the pass band tuner so that the knob points to the left, and then to the right, the pitch of the noise should be the same. If it isn't use the small screw in the center of the back of the tuner to adjust it so it is. Then set the pass band to 2.4khz and move the knob to the dots at the ends of the second line, again the pitch should be the same.
You may have to refine the adjustment a bit but once set it usually does not change.
Note that the pass band is not symmetrical. Look at the graph of the pass band in the handbook. It is a top coupled filter which increases bandwidth in one direction, that is why the lines printed on the front panel are not symmetrical. My hearing is damaged but I can still tell when the pitch is the same. When my hearing was better I could hear a slight difference between upper and lower sidebands but only very slight.
I suggest going through the entire alignment procedure from start to finish. Use the load resistors on the RF, they do make a difference. Study the book and the underside of the chassis to see where they go, the green marks on my receiver had worn off the band switch. If you have a counter you don't need to connect the calibrator to the IF. Also, the reason for the load on the

antenna input is to attenuate the calibrator signal if its too high. A small resistor, anything between maybe 10 ohms and 100 ohms should do it. The output of the calibrator is connected directly to the antenna input so a resistor there will control its level. These are _very_ good receivers and worth the effort to fix properly.

On 2/9/2018 11:05 AM, garywinblad@... [DrakeRadio] wrote:
>
>
> Thanks Steve,
>
> Horizontal to the left.? I do notice that one of the slugs is
> just a smidge longer after adjustment but thats
>
> the only thing that is at all questionable.? I was wondering
> though if maybe all of them should be cranked
>
> in (or out) and then aligned?? The ends of the springs are just
> about even with the back plate at max.
>
> Mechanically its smooth and easy.
>
--
Richard Knoppow
1oldlens1@...
WB6KBL

42962. Re: [DrakeRadio] Re: L-7 Resistors

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 21:28:32 UTC
From: KL7AM
Topic: 42947 Message: 42962

I mean 1500 out

From: "DrakeRadio" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio" <DrakeRadio@yahoogroups.com>, "Max Cotton" <m0ghq@...>
Sent: Friday, February 9, 2018 11:52:58 AM
Subject: Re: [DrakeRadio] Re: L-7 Resistors

Mine did 100 out easily and may have been less than 100W drive

From: "DrakeRadio" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
Sent: Friday, February 9, 2018 11:31:58 AM
Subject: [DrakeRadio] Re: L-7 Resistors

Marty...
So it’s good for 1500 out, Key down on SSB mode with ???100 watt drive??
....Dave

Sent from XFINITY Connect Mobile App

You get about 200W more roughly, 2800V HT x 0.8A* on PA x 60% efficiency gives 1344W PEP on a good day with a following wind... *according to the handbook.

I expect on peaks it does do the gallon and a half...easily.

73 Max M0GHQ

42963. Re: [DrakeRadio] R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-09 21:55:06 UTC
From: Gary Winblad
Topic: 42955 Message: 42963

Thanks Richard.
Yes, Yahoo is really trying to kill the groups.? I almost can't see anything but the very latest posts because every time the ads refresh the list pops back to the beginning.? And if I do get to click on a post, it always comes up blank until I hit F5 refresh many times...

The original issue is that my LSB gain is 2 S-units down from USB (for instance trying to find the peak on the calibrator).

The second issue is T7 and T10 (manual says they have a broad peak) don't ever peak at all.

Passband tuner other wise seems fine.? Sounds good on both sidebands when set to the proper dot and nicely adjusts the same pitch wise.? All selectivity settings sound perfect.? BFO is spot on.
Yeah, was thinking that somehow the crystal filter could be involved but it adjusts just fine.? I even dared un-wrap the wires to null the image this time.. and it WAS off all these years.? Just a slight un-wrap of one wire was all it needed.

IS YOUR LSB side just as strong as USB??? Pitch on both sides sounds the same to me, tried the screw for the first time too, seems good where it was.? It IS a little hard to really tell with the big gain difference though (to my lousy ears!).
I can't think of how this could occur except some kind of tracking error in the mechanism.? I tried just peaking the slugs while set to LSB but they were perfect from the normal procedures. Yes, I use an aligator clip too.

Yes, could not agree more, these rigs are worth saving.?? I Love my R-4A.? Its the second one I have had and bought it from the original owner in 1980.? Trying to get it back in top shape.? A new alignment has definitely helped.?? The overall gain seems low but I can't find a good way to tell which stages are the problem.? Everything works, every component I have tested seems fine.? I only have a small bag of tubes, all seem to do the same, but...? Or, maybe is just fine, I don't have a calibrated source to really check it.? According the R-4 manual, the old procedure is to set the s-meter to get the calibrator to S9+20, which is pretty much where mine is.? Its the higher bands where it really suffers, I don't think the calibrator moves the s-meter on 10m for instance.? And the higher bands use USB so I gain 2 S-units? ;-)
73,
Gary

WB6OGD

On 2/9/2018 12:57 PM, Richard Knoppow wrote:
> As seems to happen with Yahoo, I am missing the original post so am
> not sure what the problem is.
> ?? However, I recently had a problem with the tunable IF in an R4B
> that might be the same and found the transformer tuning was off. I am
> not sure what did this and am awaiting some new tubes to be sure.
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> ??? I found that one of the tuned circuits ahead of the tunable filter
> was quite a bit off. Not sure if it was T5 or T7 but only one. I
> checked the frequency of the carrier oscillator which was OK. I think
> the signal was being pushed to one side of the crystal roofing filter.
> At any rate after adjusting it the tuned IF works correctly. I suggest
> going through the whole adjustment procedure for the IF.
> ??? The method of adjusting the tunable filter works fine. To go over
> it briefly, begin by rotating the pass band knob around until the
> slugs stick out the back the furthest. Then loosen the knob and set so
> it points to the _left_ and fix the set screws.
> ? Now set the bandwidth tuning to the center of the shortest of the
> lines (not the center). Set the bandwidth adjustment to minimum and
> tune in the calibrator (at any frequency). Now adjust the four slugs
> for a peak. I use an alligator clip to clamp the end of each slug to
> turn it. I can do this with no backlash. When you have this done turn
> off the calibrator and move the pass band tuner so that the knob
> points to the left, and then to the right, the pitch of the noise
> should be the same. If it isn't use the small screw in the center of
> the back of the tuner to adjust it so it is. Then set the pass band to
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> again the pitch should be the same.
> ??? You may have to refine the adjustment a bit but once set it
> usually does not change.
> ??? Note that the pass band is not symmetrical. Look at the graph of
> the pass band in the handbook. It is a top coupled filter which
> increases bandwidth in one direction, that is why the lines printed on
> the front panel are not symmetrical. My hearing is damaged but I can
> still tell when the pitch is the same. When my hearing was better I
> could hear a slight difference between upper and lower sidebands but
> only very slight.
> ??? I suggest going through the entire alignment procedure from start
> to finish. Use the load resistors on the RF, they do make a
> difference. Study the book and the underside of the chassis to see
> where they go, the green marks on my receiver had worn off the band
> switch. If you have a counter you don't need to connect the calibrator
> to the IF. Also, the reason for the load on the antenna input is to
> attenuate the calibrator signal if its too high. A small resistor,
> anything between maybe 10 ohms and 100 ohms should do it. The output
> of the calibrator is connected directly to the antenna input so a
> resistor there will control its level. These are _very_ good receivers
> and worth the effort to fix properly.

>
> On 2/9/2018 11:05 AM, garywinblad@... [DrakeRadio] wrote:
>>
>>
>> Thanks Steve,
>>
>> Horizontal to the left.? I do notice that one of the slugs is just a
>> smidge longer after adjustment but thats
>>
>> the only thing that is at all questionable.? I was wondering though
>> if maybe all of them should be cranked
>>
>> in (or out) and then aligned?? The ends of the springs are just about
>> even with the back plate at max.
>>
>> Mechanically its smooth and easy.
>>

42964. Re: [DrakeRadio] R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 01:53:03 UTC
From: Richard AG5M
Topic: 42955 Message: 42964

Install the Adblock Plus plugin into your browser. I never see any ads on Yahoo when I'm checking email. Screen is completely clean.
73, Richard AG5M

On Fri, 2/9/18, Gary Winblad garywinblad@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Subject: Re: [DrakeRadio] R-4A IF alignment
To: "Richard Knoppow" <1oldlens1@...>, DrakeRadio@yahoogroups.com
Date: Friday, February 9, 2018, 1:55 PM

Thanks Richard.
Yes, Yahoo is really trying to kill the
groups. I almost can't see
anything but the very latest posts
because every time the ads
refresh the list pops back to the
beginning. And if I do get to click
on a post, it always comes up blank
until I hit F5 refresh
many times...

42965. Re: [DrakeRadio] R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 02:34:09 UTC
From: garywinblad@...
Topic: 42955 Message: 42965

Thanks Richard,
I installed it. But as I scroll down through the Conversations, it keeps popping back to the beginning.
I guess it wasn't the ads (which are now not visible at least).
Any other ideas?
73,
Gary
WB6OGD

42966. 2b dead on 15 meters

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 15:24:14 UTC
From: fasan5@...
Topic: 42966 Message: 42966

My Drake 2b is totally dead on 15 meters. On all other bands it works fine with good sensitivity and S9 from the xtal calibrator. On 15 meters I can barely hear the xtal calibrator, and I am unable to peak the signal with the Preselector. With a VTHM connected to TP2 a negative voltage of 0.7-1.3 V is seen on 40, 20 and 10 meters, but none on 15 meters, so the circuit doesn’t oscillate on that band. I checked and cleaned the rear sections of the band switch, swapped 6U8 and the 18 MHz xtal, which is used on 20 and 15 meters. Finally I checked voltages and resistance on pins 1, 8 and 9 of 6U8 while changing bands. No change of voltages or resistance occurred. So where to find the smoking gun? Thanks.

Peter OZ8CTH

42967. Re: [DrakeRadio] 2b dead on 15 meters

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 15:35:18 UTC
From: Jeffrey Angus
Topic: 42966 Message: 42967

On 2/10/18 9:24 AM, fasan5@... [DrakeRadio] wrote:
> So where to find the smoking gun?
It uses the same crystal, 25 MHz, on 10(2) as well.
See if that works or not.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42968. SV: [DrakeRadio] 2b dead on 15 meters

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 15:59:05 UTC
From: Peter Ravn
Topic: 42966 Message: 42968

With the 25 MHx xtal there is no negative voltage on band 10-2, only on band 10-1.
Peter OZ8CTH

-----Oprindelig meddelelse-----
Fra: Jeffrey Angus [mailto:jdangus@...]
Sendt: 10. februar 2018 16:35
Til: DrakeRadio@yahoogroups.com; fasan5@...
Emne: Re: [DrakeRadio] 2b dead on 15 meters

On 2/10/18 9:24 AM, fasan5@... [DrakeRadio] wrote:
> So where to find the smoking gun?
It uses the same crystal, 25 MHz, on 10(2) as well.
See if that works or not.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42969. Re: SV: [DrakeRadio] 2b dead on 15 meters

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 16:13:03 UTC
From: Jeffrey Angus
Topic: 42966 Message: 42969

On 2/10/18 9:59 AM, 'Peter Ravn' fasan5@... [DrakeRadio] wrote:
> With the 25 MHx xtal there is no negative voltage on band 10-2, only
> on band 10-1.
> Peter OZ8CTH
>
> -----Oprindelig meddelelse-----
> Fra: Jeffrey Angus [mailto:jdangus@...]
> Sendt: 10. februar 2018 16:35
> Til: DrakeRadio@yahoogroups.com; fasan5@...
> Emne: Re: [DrakeRadio] 2b dead on 15 meters
>
> On 2/10/18 9:24 AM, fasan5@... [DrakeRadio] wrote:
> > So where to find the smoking gun?
> It uses the same crystal, 25 MHz, on 10(2) as well.
> See if that works or not.
Page 11 of the 2B manual:
20.9 to 21.5 MHz band 15 and 28.5 to 29.1 MHz band 10(2) use the
same, 25 MHz, crystal.
Bands 10(1) and 10(3) require two separate crystals and cover the
additional bands above and below 15 meters.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42970. Re: [DrakeRadio] 2b dead on 15 meters

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 16:51:30 UTC
From: wes Bolin
Topic: 42966 Message: 42970

Swap 6EA8 in place of 6U8. Make sure you have a good crystal. I had a 2B
that had 3 defective crystals! when I bought it "used".
Wes

On Sat, Feb 10, 2018 at 9:24 AM, fasan5@... [DrakeRadio] <
DrakeRadio@...m> wrote:

>
>
> My Drake 2b is totally dead on 15 meters. On all other bands it works fine
> with good sensitivity and S9 from the xtal calibrator. On 15 meters I can
> barely hear the xtal calibrator, and I am unable to peak the signal with
> the Preselector. With a VTHM connected to TP2 a negative voltage of 0.7-1.3
> V is seen on 40, 20 and 10 meters, but none on 15 meters, so the circuit
> doesn’t oscillate on that band. I checked and cleaned the rear sections of
> the band switch, swapped 6U8 and the 18 MHz xtal, which is used on 20 and
> 15 meters. Finally I checked voltages and resistance on pins 1, 8 and 9 of
> 6U8 while changing bands. No change of voltages or resistance occurred. So
> where to find the smoking gun?
>
> Thanks.
>
> Peter OZ8CTH
>
>
>
>
>
>

42971. Off Topic - Email Program

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 17:12:53 UTC
From: Robert Johnson
Topic: 42971 Message: 42971

Guys:

I use Firefox and down load all messages. They are there for future reference and can be searched by topic. No ad problems.

73, Bob Johnson, W2DSB

42972. Re: [DrakeRadio] 2b dead on 15 meters

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 17:26:21 UTC
From: MadScientist
Topic: 42966 Message: 42972

The fact that you can still “barely hear” the calibrator on 15 is no guarantee that the 15 meter local oscillator is running. You may be picking up a “birdie” of the calibrator even though the oscillator is not running.

What you describe WOULD be most likely related to that local oscillator, most likely a bad crystal or a dirty socket.

Check that first.

Gary

> On Feb 10, 2018, at 9:24 AM, fasan5@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> My Drake 2b is totally dead on 15 meters. On all other bands it works fine with good sensitivity and S9 from the xtal calibrator. On 15 meters I can barely hear the xtal calibrator, and I am unable to peak the signal with the Preselector. With a VTHM connected to TP2 a negative voltage of 0.7-1.3 V is seen on 40, 20 and 10 meters, but none on 15 meters, so the circuit doesn’t oscillate on that band. I checked and cleaned the rear sections of the band switch, swapped 6U8 and the 18 MHz xtal, which is used on 20 and 15 meters. Finally I checked voltages and resistance on pins 1, 8 and 9 of 6U8 while changing bands. No change of voltages or resistance occurred. So where to find the smoking gun?
>
> Thanks.
>
>
> Peter OZ8CTH
>
>
>
>
>

42973. Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 17:28:07 UTC
From: mgilger@...
Topic: 42955 Message: 42973

Gary,
Probably redundant, but did you perform your "Crystal Filter and Filter Matching Transformer Alignment" in step 'C'? If your filter is set up to favor one side band over the other, you will have that problem.

Mark, WB0IQK

42974. Drake 2 A / 2B / 2C Digital Interfaces Set to Ship Next Week

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 18:34:39 UTC
From: k3jls@...
Topic: 42974 Message: 42974

Folks:

Well, I'm all set to liquidate this batch of boards (which I can program for either the Heathkit or Drake Series 2 radios). My website describes how they are built, tested and connected: www.k3jls.net

Here's what I have:

- (8) bare bones boards with a pre-programmed M/P PIC, one mounted 18 pin socket (for the PIC), a 1N4007 diode (etc). Depending upon my spare time, some of these boards may have resistors and the .01 mf capacitors installed. - $28 shipped CONUS.

- (4) completed and tested boards with a TCXO - no LCD - $68 shipped CONUS

- (2) as above, but with a pre-connected 1x16 backlit LCD (light blue background - black letters) - $73 / shipped CONUS.

Please confirm with me as soon as possible as there are supposedly other hams who had expressed interest earlier, but one really never knows for sure until they send the money. PayPal is fine.

If these boards exhaust - and if there appears to be additional demand - rest assured that I'll order promptly more boards and processors. It takes about 10 days for the PCB house that I use to deliver.

Please don't send any money until you receive word from me.

73's - Joe

42975. Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 19:38:57 UTC
From: garywinblad@...
Topic: 42955 Message: 42975

Thanks Mark,
Yes, and that seem to line up as described. And I even did the image null (wire un-wrap) for the first time
and got rid of more image.

The filter is something like 10KHz wide though, can't imagine it could ever get that far off.. unless the filter
was bad or something..?

It's the T7/T10 that don't ever peak that is the only anomaly I am seeing. I could see that causing my problem
but I can't see two coils both going bad. And they are described as very broad (or similar wording), couldn't
see them making 2 S-unit difference even if they were right on the edge.

Any ideas welcome!
73,
Gary
WB6OGD

42976. Re: [DrakeRadio] Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 20:16:54 UTC
From: Richard Knoppow
Topic: 42955 Message: 42976

T7 and T10 are so broad that normal peaking is very
difficult. Find the approximate peak and detune the slug until
the level falls by some convient small amount then turn the other
way through the peak to reduce the level to the same amount.
Count the turns. Then go back toward the peak half the number of
turns. That will get the coils about in the center of their tuning.
The crystal roofing filter must be broad enough to cover the
entire range of the tunable IF i.e. Passband Tuner, that is
something like double its widest passband or nearly 10Khz. T7
feeds the input to the notch filter and the passband tuner and
T10 couples the output of the passband tuner. Both are fixed so
must be broad enough to cover the entire range of the tuner,
which is about twice the maximum bandwidth. Because both are
single tuned coils their bandwidth is controlled by their Q so
will have the usual shape of a single tuned circuit. As a result
both will fall off somewhat at the edges of their ranges. Also,
the band shape of the tunable filter may have a slight dip in the
center because of being an overcoupled circuit. That is if you
tune through a CW signal at the center frequency and at maximum
bandwidth the ouput will not be absolutely flat.
My recent experience is that at least T10 can get far enough
off to result in the pass band tuner cutting off on one side. I
am not sure yet what caused this but I think it may have been a
bad mixer tube. In any case readjustment of T10 brought back
normal behavior.

On 2/10/2018 11:38 AM, garywinblad@... [DrakeRadio] wrote:
>
>
> Thanks Mark,
> Yes, and that seem to line up as described.? And I even did the
> image null (wire un-wrap) for the first time
> and got rid of more image.
>
>
> The filter is something like 10KHz wide though, can't imagine it
> could ever get that far off.. unless the filter
> was bad or something..?
>
>
> It's the T7/T10 that don't ever peak that is the only anomaly I
> am seeing.? I could see that causing my problem
> but I can't see two coils both going bad.? And they are described
> as very broad (or similar wording), couldn't
> see them making 2 S-unit difference even if they were right on

> the edge.
>
>
> Any ideas welcome!
> 73,
> Gary
> WB6OGD

--
Richard Knoppow
1oldlens1@...
WB6KBL

42977. T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 22:02:57 UTC
From: johng101501@...
Topic: 42977 Message: 42977

Hello, all I have a set of finals in my T4X and i see that the idling current varies from tube to tube. I measure .496 on one final to.421 from the other final. i know it is supposed to be .525 per tube for 70 ma. Of course I can adjust this with the bias , but how much is too much? And how much difference in cathode and screen resistors would or could cause this?

42978. SV: [DrakeRadio] 2b dead on 15 meters

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 22:18:55 UTC
From: Peter Ravn
Topic: 42966 Message: 42978

I checked my two 25 MHz xtals with my G3PTO xtal tester connected to a counter and a scope. They proved good. Swopping 6U8 with a 6EA8 made no difference. All xtal sockets are clean. The 25 MHz xtal is plugged into the 10/1 socket after the 20 socket and works fine on 10 meters with the band switch set on 10/1. On 15 meters the oscillator is dead. If the 25 MHz xtal is plugged into the 10/2 or 10/3 socket, the xtal circuit doesn't oscillate at all no matter the position of the band switch.

Peter OZ8CTH

Fra: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sendt: 10. februar 2018 18:26
Til: WB6TNF handyjimbo@... [DrakeRadio]; Peter Ravn
Emne: Re: [DrakeRadio] 2b dead on 15 meters

The fact that you can still "barely hear" the calibrator on 15 is no guarantee that the 15 meter local oscillator is running. You may be picking up a "birdie" of the calibrator even though the oscillator is not running.

What you describe WOULD be most likely related to that local oscillator, most likely a bad crystal or a dirty socket.

Check that first.

Gary

On Feb 10, 2018, at 9:24 AM, fasan5@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

My Drake 2b is totally dead on 15 meters. On all other bands it works fine with good sensitivity and S9 from the xtal calibrator. On 15 meters I can barely hear the xtal calibrator, and I am unable to peak the signal with the Preselector. With a VTHM connected to TP2 a negative voltage of 0.7-1.3 V is seen on 40, 20 and 10 meters, but none on 15 meters, so the circuit doesn't oscillate on that band. I checked and cleaned the rear sections of the band switch, swapped 6U8 and the 18 MHz xtal, which is used on 20 and 15 meters. Finally I checked voltages and resistance on pins 1, 8 and 9 of 6U8 while changing bands. No change of voltages or resistance occurred. So where to find the smoking gun?

Thanks.

Peter OZ8CTH

42979. TR-7 Issue

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 22:22:26 UTC
From: Robb Urie
Topic: 42979 Message: 42979

Something for the TR-7 Gurus:

Well after spending considerable time trying to get all three oscillators to stop drifting and sync-up, I've noticed a small issue with the receive. I'm detecting weak signals approximately +/- 48 kHz from the source and figuring it might have something to do with the VCO alignment. For example, with the FT-8 activity on 18.100, I can hear them at both 18.052 and 18.148. When I say "Weak", the s meter barely moves and the signal is audible. I have attempted to align the VCO per the service manual and could not achieve the voltage settings (Lower than spec) and when running the check with the fixed RCV, the frequency would not count up to the reading depicted in the alignment. Everything else now aligns by the book and the display is dead-on and both RX and TX audio sounds good.

I did check for spurs during transmit with another radio/pan adapter and could not see any. I have owned this TR-7 for 20 years and besides this issue, has only needed the occasional TLC and board connector cleaning.

Any pointers before I put her back on the bench and pull the DR-7?

Thanks for any tips.

Robb NØRU

42980. Re: [DrakeRadio] Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 22:30:20 UTC
From: garywinblad@...
Topic: 42955 Message: 42980

Thanks everyone, I finally found T7/T10 peaks.

The solution was to us a DVM on the AVC bus.

The S-meter called for in the procedure is useless, but there REALLY is a small peak!

With that step improved and a re-do of the passband tuner, its better... maybe one s-unit weaker on LSB. I think I am probably at the limits of '60s filter technology. You can see lumps and bumps in the passband when tuning the calibrator and some width settings are better/worse.

73,
Gary
WB6OGD

42981. Re: SV: [DrakeRadio] 2b dead on 15 meters

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 22:39:12 UTC
From: Jeffrey Angus
Topic: 42966 Message: 42981

On 2/10/18 4:18 PM, 'Peter Ravn' fasan5@... [DrakeRadio] wrote:
> I checked my two 25 MHz xtals with my G3PTO xtal tester
> connected to a counter and a scope. They proved good.
They should read 8.3333 MHz. They're third overtone crystals.
> Swapping 6U8 with a 6EA8 made no difference. All xtal sockets
> are clean.
See below.
> The 25 MHz xtal is plugged into the 10/1 socket after the 20
> socket and works fine on 10 meters with the band switch set on
> 10/1. On 15 meters the oscillator is dead.
Of course, 15 meters uses ONLY the 10(2) socket.
> If the 25 MHz xtal is plugged into the 10/2 or 10/3 socket, the
> xtal circuit doesn’t oscillate at all no matter the position of the
> band switch.
Hopefully, the failure is the crystal sockets. They lose tension and
require VERY careful poking on the sides to bend the pin contacts
back towards the center of the socket. (From the bottom)
You'll know because the pins should feel tight.
DeOxit the sockets first. Put some on the pins and plug and unplug
several times to clean them.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

42982. Re: [DrakeRadio] Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 22:46:17 UTC
From: Robb Urie
Topic: 42955 Message: 42982

Sounds like you are really close...

I’m finishing up an R-4B that somehow the PBT was all screwed-up. The receive level was way down and the pass band just did not sound right, so after taking the assembly apart and cleaning it up, a total alignment was done. I found that all four of the slugs required adjustment to bring the receiver back to somewhat normal. Trying to achieve the “Same pitch” on either sideband is not quite there yet on mine, but some fine-tuning on each slug seemed to do the trick. I’ve thought about using a computer along with Digipan to see the actual audio to try to achieve a good balance.

This R-4B has sat on the shelf for the past ten years and the last time I used it, the PBT seemed okay but did notice the overall sensitivity to be down. I’m still working on it since now the lower sensitivity seems to be isolated to just the 40 meter position. By the time Summer rolls around, I should have all the Drakes working correctly.

Good luck.

Robb NØRU

From: mailto:DrakeRadio@yahoogroups.com
Sent: Saturday, February 10, 2018 3:30 PM
To: DrakeRadio@yahoogroups.com
Subject: Re: [DrakeRadio] Re: R-4A IF alignment

Thanks everyone, I finally found T7/T10 peaks.

The solution was to us a DVM on the AVC bus.

The S-meter called for in the procedure is useless, but there REALLY is a small peak!

With that step improved and a re-do of the passband tuner, its better... maybe one s-unit

weaker on LSB. I think I am probably at the limits of '60s filter technology. You can see

lumps and bumps in the passband when tuning the calibrator and some width settings

are better/worse.

73,

Gary

WB6OGD

42983. Re: [DrakeRadio] TR-7 Issue

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 22:57:31 UTC
From: Jim Shorney
Topic: 42979 Message: 42983

Electrolytic capacitor C2108 on the Power Supply board is your primary suspect.
Replace any other electolytics on the board as long as you are there.

As a rule of thumb, with wierd problems it is NEVER an alignment issue.

73

-Jim
NU0C

On Sat, 10 Feb 2018 15:22:26 -0700, 'Robb Urie' rurie@bajabb.com [DrakeRadio]
wrote:

>Something for the TR-7 Gurus:
>
>Well after spending considerable time trying to get all three oscillators to stop drifting and sync-up, IG??ve noticed a small issue with the receive. IG??m detecting weak signals approximately +/- 48 kHz from the source and figuring it might have something to do with the VCO alignment. For example, with the FT-8 activity on 18.100, I can hear them at both 18..052 and 18.148. When I say G??WeakG??, the s meter barely moves and the signal is audible. I have attempted to align the VCO per the service manual and could not achieve the voltage settings (Lower than spec) and when running the check with the fixed RCV, the frequency would not count up to the reading depicted in the alignment. Everything else now aligns by the book and the display is dead-on and both RX and TX audio sounds good.
>
>I did check for spurs during transmit with another radio/pan adapter and could not see any. I have owned this TR-7 for 20 years and besides this issue, has only needed the occasional TLC and board connector cleaning.
>
>Any pointers before I put her back on the bench and pull the DR-7?
>
>Thanks for any tips.
>
>Robb N+?RU
>

--
?There?s something out of place ? let?s go and poke it with a stick.? ? The Doctor, "Amy?s Choice"

42984. Re: SV: [DrakeRadio] 2b dead on 15 meters

Yahoo group: DrakeRadio (2018)
Date: 2018-02-10 23:31:15 UTC
From: Richard Knoppow
Topic: 42966 Message: 42984

I looked at the schematic. The band switch is doing a lot of switching in addition to the crystals. I would suggest first making sure the switch is OK and clean. Then check the soldering at the switch. Then check components that seem to be concerned with 15 meters such as C-76.

On 2/10/2018 2:39 PM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
>
>
--
Richard Knoppow
1oldlens1@...
WB6KBL

42985. Re: [DrakeRadio] Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 00:12:21 UTC
From: garywinblad@...
Topic: 42955 Message: 42985

Hi Robb,
Great. My R-4A sat a long time too. 40m seems to be the best on mine ;-) Its the higher bands
that seem really low gain. But don't really hear any signals now due to sunspots hi hi.

Hey, what is inside the passband tuner? Any user serviceable parts inside?
Mine looks and works fine, sounds good, only the lower gain on LSB.

73,
Gary
WB6OGD

42986. Re: [DrakeRadio] Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 00:24:51 UTC
From: Richard Knoppow
Topic: 42955 Message: 42986

Lower gain on one sideband sounds like the filter matching
coils are not adjusted right. Lower gain on some bands sounds
like it needs an RF alignment. If you do this use the load
resistors as specified, it does make a difference.

On 2/10/2018 4:12 PM, garywinblad@... [DrakeRadio] wrote:
>
>
> Hi Robb,
>
> Great.? My R-4A sat a long time too.? 40m seems to be the best on
> mine ;-)? Its the higher bands
>
> that seem really low gain.? But don't really hear any signals now
> due to sunspots? hi hi.
>
>
> Hey, what is inside the passband tuner??? Any user serviceable
> parts inside?
>
> Mine looks and works fine, sounds good, only the lower gain on LSB.
>
>
> 73,
>
> Gary
>
> WB6OGD
WB6KBL

42987. Re: [DrakeRadio] Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 00:33:10 UTC
From: Gary Winblad
Topic: 42955 Message: 42987

Richard,
WHAT difference to the load resistors make, actually?
As opposed to just peaking for max..?? Didn't I read fairly recently
that Drake factory even stopped using the loads?
Yes, I know its RF alignment or bad tubes or parts..

Ok, maybe I will redo the filter match again, though it seemed to align
perfectly per the manual.
Thanks,
73,
Gary
WB6OGD

On 2/10/2018 4:24 PM, Richard Knoppow wrote:
> Lower gain on one sideband sounds like the filter matching coils are
> not adjusted right. Lower gain on some bands sounds like it needs an
> RF alignment. If you do this use the load resistors as specified, it
> does make a difference.
>
> On 2/10/2018 4:12 PM, garywinblad@... [DrakeRadio] wrote:
>>
>>
>> Hi Robb,
>>
>> Great.? My R-4A sat a long time too.? 40m seems to be the best on
>> mine ;-)? Its the higher bands
>>
>> that seem really low gain.? But don't really hear any signals now due
>> to sunspots? hi hi.
>>
>>
>> Hey, what is inside the passband tuner??? Any user serviceable parts
>> inside?
>>
>> Mine looks and works fine, sounds good, only the lower gain on LSB.
>>
>>
>> 73,
>>
>> Gary
>>
>> WB6OGD
> WB6KBL

42988. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 00:46:38 UTC
From: MadScientist
Topic: 42977 Message: 42988

Well, the first thing I would do is swap tube positions and make the measurement again to see if the stronger one moves with the swap. That will tell you that you have two tubes with differing idle currents.

The reading you are getting would certainly be off by the same difference measured in the cathode resistor values but would be less sensitive to screen resistor variations (though not totally insensitive to screen resistor value!).

You are seeing about 18% difference, which I feel is quite a bit too high.

Tubes matched for idle current SHOULD be within 5 to 7%

Your cathode resistors should be within a few percent.

If you want to live with the imbalance, then set the idle current low by about 15% on the meter. You won’t lose much output but your “active” tube will suffer less.

Gary

> On Feb 10, 2018, at 4:02 PM, johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Hello, all I have a set of finals in my T4X and i see that the idling current varies from tube to tube. I measure .496 on one final to.421 from the other final. i know it is supposed to be .525 per tube for 70 ma. Of course I can adjust this with the bias , but how much is too much? And how much difference in cathode and screen resistors would or could cause this?
>
>
>

42989. Re: [DrakeRadio] Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 01:09:37 UTC
From: Robb Urie
Topic: 42955 Message: 42989

Gary,

Concerning the use of the alignment loads; to me they do seem to make peaking the trimmers easier to see (Either with S meter or on the test point). I know there is an alternate alignment procedure that appears on the Sherwood engineering site that I've tried with similar results. I'm still going through tube substitution, socket cleaning and rec-cleaning all the wafer switches. Currently, my S meter reads about S-6 to 7 with –73 dBm so if that's the best she'll do, then so be it.

My PBT assembly was full of dried grease of unknown material. The solder pad on the case was already broken, so someone had been in there previously. I've decided to get the B-line back to proper operation as they are cosmetically very good and I've been putting it off for too long.

Good luck.

Robb NØRU

From: mailto:DrakeRadio@yahoogroups.com
Sent: Saturday, February 10, 2018 5:12 PM
To: DrakeRadio@yahoogroups.com
Subject: Re: [DrakeRadio] Re: R-4A IF alignment

Hi Robb,

Great. My R-4A sat a long time too. 40m seems to be the best on mine ;-) Its the higher bands

that seem really low gain. But don't really hear any signals now due to sunspots hi hi.

Hey, what is inside the passband tuner? Any user serviceable parts inside?

Mine looks and works fine, sounds good, only the lower gain on LSB.

73,

Gary

WB6OGD

42990. Re: [DrakeRadio] Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 01:11:31 UTC
From: Richard Knoppow
Topic: 42955 Message: 42990

Garrey Barrell made actual measurements which are in an
article he wrote. The tuned circuits have a broad pass band which
is not obtainable with straight peaking. See
http://www.wb4hfn.com/DRAKE/DrakeArticles/R4B%20Alignment/R4B%20Align.htm

On 2/10/2018 4:33 PM, Gary Winblad wrote:
> Richard,
> WHAT difference to the load resistors make, actually?
> As opposed to just peaking for max..?? Didn't I read fairly
> recently that Drake factory even stopped using the loads?
> Yes, I know its RF alignment or bad tubes or parts..

--
Richard Knoppow
1oldlens1@...
WB6KBL

42991. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 01:17:12 UTC
From: Richard Knoppow
Topic: 42977 Message: 42991

Its easy enough to measure the cathode resistors and screen stopper resistors. The stoppers are low value and will not make much difference to the screen voltage but if used to measure screen current they should be very close to the right value. The type of resistors available for both positions will be better than 5%, most I've measured are around 1%. Garrey Barrell recommends metal oxide resistors for the cathodes but I've used plain carbon film with good results.

On 2/10/2018 4:46 PM, MadScientist dukeshifi@...
[DrakeRadio] wrote:
>
>
> Well, the first thing I would do is swap tube positions and make
> the measurement again to see if the stronger one moves with the
> swap. That will tell you that you have two tubes with differing
> idle currents.
>
> The reading you are getting would certainly be off by the same
> difference measured in the cathode resistor values but would be
> less sensitive to screen resistor variations (though not totally
> insensitive to screen resistor value!).
>
> You are seeing about 18% difference, which I feel is quite a bit
> too high.
>
> Tubes matched for idle current SHOULD be within 5 to 7%
>
> Your cathode resistors should be within a few percent.
>
> If you want to live with the imbalance, then set the idle current
> low by about 15% on the meter. You won?t lose much output but
> your ?active? tube will suffer less.
>
> Gary

>

--
Richard Knoppow
1oldlens1@...
WB6KBL

42992. Harbach relay replacement kit for TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 01:52:17 UTC
From: ve3fwf@...
Topic: 42992 Message: 42992

I just installed the Harbach RA-150 relay modification kit version 2.1

The quality of the PCB board is excellent. Everything fits as it should.

Following the instructions *carefully* results in in a very nice conversion.

Total time was about 4 hours.

Highly recommended if your open frame relay needs replacement.

73, Bernie

42993. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 02:02:07 UTC
From: john g
Topic: 42977 Message: 42993

I will check out the values tomorrow but i wonder if replacing them is just the best option - outside of a tube difference there isn't much to cause this as far as i can tell. I have new metal oxides right here. who knows what a resistor will do under load? Anybody ever had a value or current change when a m/o resistor was loaded?

On ☐Saturday☐, ☐February☐ ☐10☐, ☐2018☐ ☐08☐:☐18☐:☐03☐ ☐PM☐ ☐EST, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

    Its easy enough to measure the cathode resistors and screen
stopper resistors. The stoppers are low value and will not make
much difference to the screen voltage but if used to measure
screen current they should be very close to the right value. The
type of resistors available for both positions will be better
than 5%, most I've measured are around 1%. Garrey Barrell
recommends metal oxide resistors for the cathodes but I've used
plain carbon film with good results.

On 2/10/2018 4:46 PM, MadScientist dukeshifi@...
[DrakeRadio] wrote:
>
>
> Well, the first thing I would do is swap tube positions and make
> the measurement again to see if the stronger one moves with the
> swap. That will tell you that you have two tubes with differing
> idle currents.
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> The reading you are getting would certainly be off by the same
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> You are seeing about 18% difference, which I feel is quite a bit
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> Tubes matched for idle current SHOULD be within 5 to 7%
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> If you want to live with the imbalance, then set the idle current
> low by about 15% on the meter. You won’t lose much output but
> your “active” tube will suffer less.
>
> Gary

>

--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

42994. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 02:24:38 UTC
From: MadScientist
Topic: 42977 Message: 42994

No resistor should be run close enough to its rating to change significantly in value when “loaded”.

Carbon resistors have a significant negative temperature coefficient of resistance. Metal film resistors typically have very small and positive TCR’s, so they are far better for metering applications than any Carbon or Carbon film.

Most metal film resistors are often made from passivated Nichrome, which has a very low and positive TCR.

If you are REALLY concerned, get zero TCR resistors.

Many metal films are designated as “zero TCR” by virtue of selecting the resistive metal mix with proper blends of positive and negative TCR’s. Usually these would be Platinum and Palladium silicide types.

I worked on manufacturing processes for such resistors for Honeywell back in the late 1970’s...

Gary

> On Feb 10, 2018, at 8:02 PM, john g <johng101501@...> wrote:
>
> I will check out the values tomorrow but i wonder if replacing them is just the best option - outside of a tube difference there isn't much to cause this as far as i can tell. I have new metal oxides right here. who knows what a resistor will do under load? Anybody ever had a value or current change when a m/o resistor was loaded?
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> On ☐Saturday☐, ☐February☐ ☐10☐, ☐2018☐ ☐08☐:☐18☐:☐03☐ ☐PM☐ ☐EST, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
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> screen current they should be very close to the right value. The
> type of resistors available for both positions will be better
> than 5%, most I've measured are around 1%. Garrey Barrell
> recommends metal oxide resistors for the cathodes but I've used
> plain carbon film with good results.
>
> On 2/10/2018 4:46 PM, MadScientist dukeshifi@... <mailto:dukeshifi@...>
> [DrakeRadio] wrote:
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> > the measurement again to see if the stronger one moves with the

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> > low by about 15% on the meter. You won't lose much output but
> > your "active" tube will suffer less.
> >
> > Gary
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> --
> Richard Knoppow
> 1oldlens1@... <mailto:1oldlens1@...>
> WB6KBL
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42995. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 02:50:31 UTC
From: Richard Knoppow
Topic: 42977 Message: 42995

I don't think these resistors have any voltage coefficient of
resistance and very little TC. They are very stable and do not
age at all.
I think the main reason for matching tubes is to avoid having
one tube do most of the work. I don't know how closely the tubes
need to match. I have never seen any numbers and if I did I would
ask how they were generated. This falls into the category of
anecdotal knowledge, one must _always_ ask how information was
generated, i.e. "what's the source?"
I think if you have a known weak tube I would measure the
actual cathode current and set the bias so the stronger tube is
drawing 35mA and note the meter reading. Then set the bias for
that reading. The output power will be low but the function
should be OK. At some point if the tubes are mis-matched enough
the bias might be off enough to increase distortion to an
unacceptable level. The combination of plate voltage, screen grid
voltage and bias is determined by the designer for minimum
distortion for the desired output power.
In the dim, distant past I actually generated characteristic
curves for tubes as part of my training in electronics. While the
tube handbook curves give an idea of how the tubes perform its
always useful to get the actual performance curves for a
particular application.
On 2/10/2018 6:02 PM, john g wrote:
> I will check out the values tomorrow but i wonder if replacing
> them is just the best option - outside of a? tube difference
> there isn't much to cause this as far as i can tell. I have new
> metal oxides right here. who knows what a resistor will do under
> load? Anybody ever had a value or current change when a m/o
> resistor was loaded?

--
Richard Knoppow
1oldlens1@...
WB6KBL

42996. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 03:00:34 UTC
From: Richard Knoppow
Topic: 42977 Message: 42996

I think the resistors would have to run pretty hot for the TC to be significant. But they should not be run near their power limit anyway. 35mA in 15 ohms is less than 0.02 watts. You can calculate the heating from this but I would have to look it up. I would not say metal is "far better" than carbon film, it depends on the desired precision and heating. Resistors in precision measurement should never run hot. Eventually, you get nearly zero TC precision wire wound resistors running in an oil bath as in an ancient Otto Wolf bridge I had under my hand and seal for a while. I spent a couple of my best years working for a precision resistor manufacturer and got to learn something about vacuum deposition. We also made pyrolytic mil spec carbon film resistors. Its possible to make metal film resistors with almost any TC both positive and negative depending on the mix of metals in the coating.

On 2/10/2018 6:24 PM, MadScientist wrote:
> No resistor should be run close enough to its rating to change
> significantly in value when “loaded”.
>
> Carbon resistors have a significant negative temperature
> coefficient of resistance. Metal film resistors typically have
> very small and positive TCR’s, so they are far better for
> metering applications than any Carbon or Carbon film.
>
> Most metal film resistors are often made from passivated
> Nichrome, which has a very low and positive TCR.
>
> If you are REALLY concerned, get zero TCR resistors.
>
> Many metal films are designated as “zero TCR” by virtue of
> selecting the resistive metal mix with proper blends of positive
> and negative TCR’s. Usually these would be Platinum and Palladium
> silicide types.
>
> I worked on manufacturing processes for such resistors for
> Honeywell back in the late 1970’s...
>
>
> Gary
>
>> On Feb 10, 2018, at 8:02 PM, john g <johng101501@...
>> <mailto:johng101501@...>> wrote:
>>

>> I will check out the values tomorrow but i wonder if replacing
>> them is just the best option - outside of a tube difference
>> there isn't much to cause this as far as i can tell. I have new
>> metal oxides right here. who knows what a resistor will do
>> under load? Anybody ever had a value or current change when a
>> m/o resistor was loaded?
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>> On ☐Saturday☐, ☐February☐ ☐10☐, ☐2018☐ ☐08☐:☐18☐:☐03☐ ☐PM☐
>> ☐EST, Richard Knoppow 1oldlens1@...
>> <mailto:1oldlens1@...> [DrakeRadio]
>> <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
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>>   Its easy enough to measure the cathode resistors and screen
>> stopper resistors. The stoppers are low value and will not make
>> much difference to the screen voltage but if used to measure
>> screen current they should be very close to the right value. The
>> type of resistors available for both positions will be better
>> than 5%, most I've measured are around 1%. Garrey Barrell
>> recommends metal oxide resistors for the cathodes but I've used
>> plain carbon film with good results.
>>
>> On 2/10/2018 4:46 PM, MadScientist dukeshifi@...
>> <mailto:dukeshifi@...>
>> [DrakeRadio] wrote:
>> >
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>> > Well, the first thing I would do is swap tube positions and make
>> > the measurement again to see if the stronger one moves with the
>> > swap. That will tell you that you have two tubes with differing
>> > idle currents.
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>> > The reading you are getting would certainly be off by the same
>> > difference measured in the cathode resistor values but would be
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>> > insensitive to screen resistor value!).
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>> > If you want to live with the imbalance, then set the idle
>> current
>> > low by about 15% on the meter. You won’t lose much output but
>> > your “active” tube will suffer less.

>> >
>> > Gary
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>> --
>> Richard Knoppow
>> 1oldlens1@... <mailto:1oldlens1@...>
>> WB6KBL
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>> DrakeRadio-fullfeatured@yahoogroups.com
>> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
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Richard Knoppow
1oldlens1@...
WB6KBL

42997. Shure 450 series II mic and TR-4C

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 03:26:18 UTC
From: Stephen Thompson
Topic: 42997 Message: 42997

Anyone here have any experience or wiring/hardware discoveries you might have had and can share here with regard to the Shure 450 series II mic when used with the TR-4C.

Thanks,
Steve

42998. AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 03:28:48 UTC
From: Joseph Devonshire
Topic: 42998 Message: 42998

I'm getting ready to rebuild a AC-4 power supply. I have a cap kit from Tom at Hayseed Hamfest for the TR-4C. What's the best option in the available kits? I've looked over Tom's Hayseed kit, Mike Bryce's and Jeff Weinberg's sites, but I'd like some feedback before I order one.
Thank you.
73Joe AB1YO

42999. Re: [DrakeRadio] AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 03:44:53 UTC
From: Robb Urie
Topic: 42998 Message: 42999

I just rebuilt 2 AC-4 supplies using the Harbach kits. Probably can’t go wrong with any of them, But I was impressed with the kits for the Heathkit SB-220 that I converted to 6 meters.
One of mine was an early S/N and had to do a few changes due to different colored wires, missing terminal strips. No issues and very satisfied.

73,

Robb NØRU

From: mailto:DrakeRadio@yahoogroups.com
Sent: Saturday, February 10, 2018 8:28 PM
To: DrakeRadio
Subject: [DrakeRadio] AC-4 cap kit

I'm getting ready to rebuild a AC-4 power supply. I have a cap kit from Tom at Hayseed Hamfest for the TR-4C. What's the best option in the available kits? I've looked over Tom's Hayseed kit, Mike Bryce's and Jeff Weinberg's sites, but I'd like some feedback before I order one.

Thank you.

73
Joe AB1YO

43000. Re: [DrakeRadio] AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 04:45:41 UTC
From: Whitebear1122
Topic: 42998 Message: 43000

You can’t go wrong with any of them. I bought a TR-4CW/RIT with an AC-4 that came with an uninstalled early Harbough kit. I installed the kit with no issues with the exception of mounting to the power transformer. The Harbough board is mounted to the power transformer. There is some ‘risk’ there. You might keep that difference in mind. Some of the others mount to the chassis. In my case, the transformer lamination screws had been cut off just beyond the nuts during manufacturing, so there was not enough threads left to screw on the standoffs. I ended up going to Ace Hardware to buy longer screws that I needed to cut down. Worked fine but it was a long diversion to deal with the screw problem. Board works great.

73, Scott WA9WFA

43001. Re: AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 04:49:23 UTC
From: Lacera DeWilde
Topic: 42998 Message: 43001

I have had excellent luck with the Harbach kits. Easy to install kits at good price. I've installed 6 of them with out a single problem.

Lacey
K4LCY

43002. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 05:01:12 UTC
From: MadScientist
Topic: 42977 Message: 43002

I think that is what I said…

Metering resistors should not run hot. I was mainly addressing the concern expressed that metal film resistors might be WORSE than Carbon under load, which they certainly would not be. Indeed, they are better, just not really needed for this trivial application.

However, it is not unreasonable to believe that a 40 yearly Carbon resistor could be off a little.My suggestion to swap the tubes was intended to reveal this. If the strong tube was in the same position after the swap, then obviously one of the sensing resistors is bad (perhaps both of them, one just a little worse than the other).

Matching in terms of biasing has nothing to do with one tube or the other “working harder”. The mutual conductance balance determines how well balanced the “work load” is for parallel tubes. Idle balance determines the amount of heat dissipated by the tubes at idle, a point at which they are consuming power while producing no output. All of the power drawn by the tubes is lost as heat. Balancing the tubes for idle current allows you to bias the final amplifier to its optimum without the stronger tube's running too hot.

As a postscript:

I have worked in vacuum physics for 45 years, including sputtering as one of the disciplines. I worked on development of zero TCR resistors, as I said, for Honeywell. I also worked on magnetoresistive devices for use as zero bounce switches.

I worked with Gottfreid K. Wehner, after whom the unit “Wehner” was named (the unit of measure for sputter deposition dosage) during my years working for “the world leader in surface analysis”. I designed and built the first Molecular Beam Epitaxy deposition system produced by that company, and that included in-situ Auger Electron analysis as well as RHEED (an electron diffraction crystallographic method for thin films).

So I am not reading from Wiki either...

Gary

> On Feb 10, 2018, at 9:00 PM, Richard Knoppow <1oldlens1@ix.netcom.com> wrote:
>
> I think the resistors would have to run pretty hot for the TC to be significant. But they should not be run near their power limit anyway. 35mA in 15 ohms is less than 0.02 watts. You can calculate the heating from this but I would have to look it up. I would not say metal is "far better" than carbon film, it depends on the desired precision and heating. Resistors in precision measurement should never run hot. Eventually, you get nearly zero TC precision wire wound resistors running in an oil bath as in an ancient Otto Wolf bridge I had under my hand and seal for a while.
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>>> On 2/10/2018 4:46 PM, MadScientist dukeshifi@... <mailto:dukeshifi@...>
>>> [DrakeRadio] wrote:
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>>> > Gary
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>>> --
>>> Richard Knoppow
>>> 1oldlens1@....com <mailto:1oldlens1@...>
>>> WB6KBL
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> Richard Knoppow
> 1oldlens1@...
> WB6KBL

43003. Re: AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 05:40:24 UTC
From: grant vyborny
Topic: 42998 Message: 43003

Joe,
i've rebuilt an AC-4 for a T4-XC with the Harbach kit which was excellent. i've also rebuilt another AC-4 for the T4-XB with the Hayseed parts which is also excellent. They're very comparable and high quality and when finished the results sparkle and scintillate (almost).

You can't go wrong with either!

72/73 DE KT6L, Grant

Sent from my iPad

43004. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 06:01:18 UTC
From: Richard Knoppow
Topic: 42977 Message: 43004

Then I misread you and we agree. Vacuum deposition is extremely interesting. I had only a brief experience with it in making metal film resistors. I learned more and something of its history from an interest in optics and specifically optical coatings for lenses and mirrors. You have had an interesting professional life.
The resistors in the Drake rigs are carbon composition. After all this time they are all over the place. The amount of drift seems to vary with the manufacturer but probably also with their history. Any above about 100K should be shot on sight like paper caps but I found the 15 ohm resistors in my T4XB and TR-4 were all all above 20 ohms except one which was OK. Not to be trusted.

On 2/10/2018 9:01 PM, MadScientist wrote:
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43005. SV: SV: [DrakeRadio] 2b dead on 15 meters SOLVED

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 12:20:14 UTC
From: Peter Ravn
Topic: 43005 Message: 43005

15 meters came alive when I plugged the 25 MHz xtal into the 10(2) socket
and tweaked L9 to maximum negative voltage on TP2. Using the Preselector the
xtal calibrator signal can now be peaked to S7 on 15 meters. It is a bit
confusing how the 15 and 10 meters circuits interact. Thanks to all of you
for enlightening me.
Peter OZ8CTH

-----Oprindelig meddelelse-----
Fra: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sendt: 11. februar 2018 00:31
Til: DrakeRadio@yahoogroups.com; Jeffrey Angus; Peter Ravn
Emne: Re: SV: [DrakeRadio] 2b dead on 15 meters

I looked at the schematic. The band switch is doing a lot of switching
in addition to the crystals. I would suggest first making sure the switch is
OK and clean. Then check the soldering at the switch. Then check components
that seem to be concerned with 15 meters such as C-76.

On 2/10/2018 2:39 PM, Jeffrey Angus jdangus@... [DrakeRadio]
wrote:
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Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

43006. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 14:00:48 UTC
From: john g
Topic: 42977 Message: 43006

Ok Richard here are my findings ---- the difference in cathode current follows the tube to other socket. I tried other tubes , both 6gj5 and 6jb6 of the same manufacturer (no Sylvania because i dont have any) and I am surprised how much they are different. I have a set of Zeniths in the transmitter now (6jb6) that are .395 for one to .476 at the other all cathode and screen resistors have been replaced. no rf drive etc. The Dumont 6gj5 i already measured and i think Gary stated they are 18% different. I guess the best course of action would be to match tubes regardless of manufacturer?

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Richard Knoppow
1oldlens1@ix.netcom.com
WB6KBL

43007. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 14:04:43 UTC
From: amfone
Topic: 42977 Message: 43007

Just a point, Zenith did not make its tubes, the 6JB6 tubes you have labeled Zenith were made by Sylvania, so you do have Sylvania tubes just not labeled Slyvania.

On Sunday, February 11, 2018, 9:01:03 AM EST, john g johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

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43008. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 14:15:05 UTC
From: john g
Topic: 42977 Message: 43008

I though so too, but wasn't sure. Ill bet a lot of these tubes are way off I wonder if the age , even though they are nos- Has something to do with it

On ☐Sunday☐, ☐February☐ ☐11☐, ☐2018☐ ☐09☐:☐04☐:☐56☐ ☐AM☐ ☐EST, amfone amfone20000@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

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43009. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 15:16:03 UTC
From: MadScientist
Topic: 42977 Message: 43009

You will find that RF Parts, when they match tubes for idle current, will ship matched sets or trio’s containing different brands.

They are correct in doing this for the most part.

The Drake rigs (unlike early Collins rigs) are not as difficult to neutralize so brand mixing is not as much of an issue in the Drake rigs.

It is best if the gM readings are pretty close but most seem to feel that idle current matching is most crucial because you can bias the tubes for proper Q point without one of the two dissipating excess heat and with with neither tube being properly biased for proper Q point (one too high, one too low).

The only real constraint is that some 6JB6 tubes are slightly taller than others, making it important to ensure that they fit into the cage without shorting (or racking) to the top off the cage.

Most storage related issues with tubes can be resolved by running them for a while with plate current being drawn. So long as the getter metal is not white, that metal is still active and raw heat will foster some degree of getter pumping. In addition, the Cathode will self-clean and get the tube back to its original emission.

Sometimes running a tube at slightly above rated filament voltage can help this process along. 20% over rating on the filament adds quite a bit of heat, which is what you need to degas the Cathode.

This is nowhere near what the tubes experience during their original activation process but may help some tubes that are on the low side of emission (and plate idle current).

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PS: I did also work a bit in optical coatings, mostly for use in thermal management films for windows etc. I also worked with optical coatings (only as a user though) in applications related ti near IR bandpass filters for optimal flame detection and flammable gas detection.

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43010. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 15:35:28 UTC
From: john g
Topic: 42977 Message: 43010

Ok Gary I will let them draw idling current for awile and see what that does. Any suggested methods?

On ☐Sunday☐, ☐February☐ ☐11☐, ☐2018☐ ☐10☐:☐16☐:☐14☐ ☐AM☐ ☐EST, MadScientist dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

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43011. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 15:51:14 UTC
From: Steve Wedge
Topic: 42977 Message: 43011

Hi, John -

There seems to be some good economy to be had with non-matched tubes. Someone earlier had mentioned changing the bias but I'm not sure if this would be a good practice. The bias sets the starting point on the tube's curve for use with full power - i.e., before distortion starts to kick in. I would go for remaining at 70 mA for a pair and turning down the power during use. If the pair can put out, for example, 100W at full drive and max load, I'd back off the drive to perhaps 80W. The person on the other end very likely won't hear the difference in strength.

I remember having some back-and-forth with Garey and several others, a few years ago, about individually adjusting the tubes but this was deemed impractical due to the linearity argument.

At any rate, given that the component tolerances in these sets were up to 20% to begin with, I do think that we maybe get a little too concerned with matched tubes - especially if you have a bunch that you bought cheap. As long as you're not splattering the bands, use up your collection of $5 tubes!

73,

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

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> > I worked with Gottfreid K. Wehner, after whom the unit “Wehner” was
> named (the unit of measure for sputter deposition dosage) during my years

> working for “the world leader in surface analysis”. I designed and built
> the first Molecular Beam Epitaxy deposition system produced by that
> company, and that included in-situ Auger Electron analysis as well as RHEED
> (an electron diffraction crystallographic method for thin films).
> >
> > So I am not reading from Wiki either...
> >
> > Gary
> >
> >
> >
> >
> >> On Feb 10, 2018, at 9:00 PM, Richard Knoppow <1oldlens1@...>
> wrote:
> >>
> >> I think the resistors would have to run pretty hot for the TC to be
> significant. But they should not be run near their power limit anyway. 35mA
> in 15 ohms is less than 0.02 watts. You can calculate the heating from this
> but I would have to look it up. I would not say metal is "far better" than
> carbon film, it depends on the desired precision and heating. Resistors in
> precision measurement should never run hot. Eventually, you get nearly zero
> TC precision wire wound resistors running in an oil bath as in an ancient
> Otto Wolf bridge I had under my hand and seal for a while.
> >> I spent a couple of my best years working for a precision resistor
> manufacturer and got to learn something about vacuum deposition. We also
> made pyrolytic mil spec carbon film resistors. Its possible to make metal
> film resistors with almost any TC both positive and negative depending on
> the mix of metals in the coating.
> >>
> >> On 2/10/2018 6:24 PM, MadScientist wrote:
> >>> No resistor should be run close enough to its rating to change
> significantly in value when “loaded”.
> >>> Carbon resistors have a significant negative temperature coefficient
> of resistance. Metal film resistors typically have very small and positive
> TCR’s, so they are far better for metering applications than any Carbon or
> Carbon film.
> >>> Most metal film resistors are often made from passivated Nichrome,
> which has a very low and positive TCR.
> >>> If you are REALLY concerned, get zero TCR resistors.
> >>> Many metal films are designated as “zero TCR” by virtue of selecting
> the resistive metal mix with proper blends of positive and negative TCR’s.
> Usually these would be Platinum and Palladium silicide types.
> >>> I worked on manufacturing processes for such resistors for Honeywell
> back in the late 1970’s...
> >>> Gary
> >>>> On Feb 10, 2018, at 8:02 PM, john g <johng101501@... <mailto:
> johng101501@...>> wrote:
> >>>>
> >>>> I will check out the values tomorrow but i wonder if replacing them

> is just the best option - outside of a tube difference there isn't much to
> cause this as far as i can tell. I have new metal oxides right here. who
> knows what a resistor will do under load? Anybody ever had a value or
> current change when a m/o resistor was loaded?
> >>>>
> >>>> On ☐Saturday☐, ☐February☐ ☐10☐, ☐2018☐ ☐08☐:☐18☐:☐03☐ ☐PM☐ ☐EST,
> Richard Knoppow 1oldlens1@... <mailto:1oldlens1@...>
> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@
> yahoogroups.com>> wrote:
> >>>>
> >>>>
> >>>> Its easy enough to measure the cathode resistors and screen
> >>>> stopper resistors. The stoppers are low value and will not make
> >>>> much difference to the screen voltage but if used to measure
> >>>> screen current they should be very close to the right value. The
> >>>> type of resistors available for both positions will be better
> >>>> than 5%, most I've measured are around 1%. Garrey Barrell
> >>>> recommends metal oxide resistors for the cathodes but I've used
> >>>> plain carbon film with good results.
> >>>>
> >>>> On 2/10/2018 4:46 PM, MadScientist dukeshifi@... <mailto:
> dukeshifi@...>
> >>>> [DrakeRadio] wrote:
> >>>>>
> >>>>>
> >>>>> Well, the first thing I would do is swap tube positions and make
> >>>>> the measurement again to see if the stronger one moves with the
> >>>>> swap. That will tell you that you have two tubes with differing
> >>>>> idle currents.
> >>>>>
> >>>>> The reading you are getting would certainly be off by the same
> >>>>> difference measured in the cathode resistor values but would be
> >>>>> less sensitive to screen resistor variations (though not totally
> >>>>> insensitive to screen resistor value!).
> >>>>>
> >>>>> You are seeing about 18% difference, which I feel is quite a bit
> >>>>> too high.
> >>>>>
> >>>>> Tubes matched for idle current SHOULD be within 5 to 7%
> >>>>>
> >>>>> Your cathode resistors should be within a few percent.
> >>>>>
> >>>>> If you want to live with the imbalance, then set the idle current
> >>>>> low by about 15% on the meter. You won’t lose much output but
> >>>>> your “active” tube will suffer less.
> >>>>>
> >>>>> Gary
> >>>>
> >>>>

> >>>>>
> >>>>
> >>>> --
> >>>> Richard Knoppow
> >>>> 1oldlens1@... <mailto:1oldlens1@...>
> >>>> WB6KBL
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> >>>> ---------------------------------------
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> >> Richard Knoppow
> >> 1oldlens1@...
> >> WB6KBL
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> >
> > --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>
>
>

43013. Re: [DrakeRadio] AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 17:01:47 UTC
From: Paul Kraemer
Topic: 42998 Message: 43013

Scott
Please be advised you have made an incorrect and misleading statement.
The ES4AC4 kit offered by Jeff at Harbach does NOT install to the transformer nor does it require any wire splices.
I should know as I designed it around those parameters.
It installs simply to the chassis directly over the spaces vacated by the old capacitors and the lead colors are marked on the board for easy attachment without need for splicing.
Whatever you installed was made and sold by somebody else
Regards
Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com
Sent: Saturday, February 10, 2018 10:45 PM
To: DrakeRadio@yahoogroups.com
Subject: Re: [DrakeRadio] AC-4 cap kit

You can’t go wrong with any of them. I bought a TR-4CW/RIT with an AC-4 that came with an uninstalled early Harbough kit. I installed the kit with no issues with the exception of mounting to the power transformer. The Harbough board is mounted to the power transformer. There is some ‘risk’ there. You might keep that difference in mind. Some of the others mount to the chassis. In my case, the transformer lamination screws had been cut off just beyond the nuts during manufacturing, so there was not enough threads left to screw on the standoffs. I ended up going to Ace Hardware to buy longer screws that I needed to cut down. Worked fine but it was a long diversion to deal with the screw problem. Board works great.

73, Scott WA9WFA

43014. RE: [DrakeRadio] AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 17:37:56 UTC
From: Joe
Topic: 42998 Message: 43014

I have used both kits, but prefer Paul's much better. I had too many 'issues' with 'no threads left to mount the board' (Mentioned) to the screws inserted from the opposite side of the transformer. It was a squeeze, but I mounted that board against the end of the box with stand-offs. Made a neat, clean install, but it was a pain to do, and very time consuming….

If I can find the pictures…….

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] AC-4 cap kit

Scott

Please be advised you have made an incorrect and misleading statement.

The ES4AC4 kit offered by Jeff at Harbach does NOT install to the transformer nor does it require any wire splices.

I should know as I designed it around those parameters.

It installs simply to the chassis directly over the spaces vacated by the old capacitors and the lead colors are marked on the board for easy attachment without need for splicing.

Whatever you installed was made and sold by somebody else

Regards

Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com

Sent: Saturday, February 10, 2018 10:45 PM

To: DrakeRadio@yahoogroups.com

Subject: Re: [DrakeRadio] AC-4 cap kit

You can't go wrong with any of them. I bought a TR-4CW/RIT with an AC-4 that came with an uninstalled early Harbough kit. I installed the kit with no issues with the exception of mounting to the power transformer. The Harbough board is mounted to the power transformer. There is some 'risk' there. You might keep that difference in mind. Some of the others mount to the chassis. In my case, the transformer lamination screws had been cut off just beyond the nuts during manufacturing, so there was not enough threads left to screw on the standoffs. I ended up going to Ace Hardware to buy longer screws that I needed to cut down. Worked fine but it was a long diversion to deal with the screw problem. Board works great.

73, Scott WA9WFA

43015. T4XB keying voltage

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 17:44:06 UTC
From: rochep@...
Topic: 43015 Message: 43015

I want to use my PicoKeyer to key my T4XB. I know it is grid block keyed, but I can't figure out the key voltage. The Picokeyer can handle 60 volts. I would rather not buy another keying interface if not needed.

Any advice would be great. Thanks.

Paul

43016. Drake Marker Luxury manual free to good home

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 17:52:01 UTC
From: Gary Woods
Topic: 43016 Message: 43016

It's intact, but has been on the shelf forever and looks it, for whatever postage costs

---
This email has been checked for viruses by AVG.
http://www.avg.com

43017. Re: [DrakeRadio] Drake Marker Luxury manual free to good home>Taken

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 18:27:25 UTC
From: Gary Woods
Topic: 43016 Message: 43017

Taken.
Thanks!

This email has been checked for viruses by AVG.
http://www.avg.com

43018. Re: [BoatAnchors] Drake Marker Luxury manual free to good home>Taken

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 18:28:22 UTC
From: Gary Woods
Topic: 43016 Message: 43018

Thanks!

This email has been checked for viruses by AVG.
http://www.avg.com

43019. Re: [DrakeRadio] T4XB keying voltage

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 19:16:50 UTC
From: Richard Knoppow
Topic: 43015 Message: 43019

Measures about 30V on mine.

On 2/11/2018 9:44 AM, rochep@... [DrakeRadio] wrote:
>
>
> I want to use my PicoKeyer to key my T4XB. I know it is grid
> block keyed, but I can't figure out the key voltage. The
> Picokeyer can handle 60 volts. I would rather not buy another
> keying interface if not needed.
>
> Any advice would be great. Thanks.
>
> Paul
1oldlens1@...
WB6KBL

43020. Re: [DrakeRadio] T4x Finals Matching question

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 19:40:57 UTC
From: john g
Topic: 42977 Message: 43020

It looks like the pair for the day are a zenith and a ge. Neutralized just fine one is .525 the other is ..520 I can live with that. Looks like full power I am going to tweak alignment then double check. Finally see light at the end of tunnel here.

On ☐Sunday☐, ☐February☐ ☐11☐, ☐2018☐ ☐10☐:☐51☐:☐40☐ ☐AM☐ ☐EST, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Hi, John -
There seems to be some good economy to be had with non-matched tubes. Someone earlier had mentioned changing the bias but I'm not sure if this would be a good practice. The bias sets the starting point on the tube's curve for use with full power - i.e., before distortion starts to kick in. I would go for remaining at 70 mA for a pair and turning down the power during use. If the pair can put out, for example, 100W at full drive and max load, I'd back off the drive to perhaps 80W. The person on the other end very likely won't hear the difference in strength.
I remember having some back-and-forth with Garey and several others, a few years ago, about individually adjusting the tubes but this was deemed impractical due to the linearity argument.
At any rate, given that the component tolerances in these sets were up to 20% to begin with, I do think that we maybe get a little too concerned with matched tubes - especially if you have a bunch that you bought cheap. As long as you're not splattering the bands, use up your collection of $5 tubes!
73,

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Feb 11, 2018 at 9:00 AM, john g johng101501@yahoo.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Ok Richard here are my findings ---- the difference in cathode current follows the tube to other socket. I tried other tubes , both 6gj5 and 6jb6 of the same manufacturer (no Sylvania because i dont have any) and I am surprised how much they are different. I have a set of Zeniths in the transmitter now (6jb6) that are .395   for one to .476 at the other all cathode and screen resistors have been replaced. no rf drive etc.   The Dumont 6gj5 i already measured and i think Gary stated they are 18% different. I guess the best course of action would be to match tubes regardless of manufacturer?

On ☐Sunday☐, ☐February☐ ☐11☐, ☐2018☐ ☐01☐:☐01☐:☐30☐ ☐AM☐ ☐EST, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Then I misread you and we agree. Vacuum deposition is
extremely interesting. I had only a brief experience with it in
making metal film resistors. I learned more and something of its
history from an interest in optics and specifically optical
coatings for lenses and mirrors. You have had an interesting

professional life.
The resistors in the Drake rigs are carbon composition.
After all this time they are all over the place. The amount of
drift seems to vary with the manufacturer but probably also with
their history. Any above about 100K should be shot on sight like
paper caps but I found the 15 ohm resistors in my T4XB and TR-4
were all all above 20 ohms except one which was OK. Not to be
trusted.

On 2/10/2018 9:01 PM, MadScientist wrote:
> I think that is what I said…
>
> Metering resistors should not run hot. I was mainly addressing the concern expressed that metal film resistors might be WORSE than Carbon under load, which they certainly would not be. Indeed, they are better, just not really needed for this trivial application.
>
> However, it is not unreasonable to believe that a 40 yearly Carbon resistor could be off a little.My suggestion to swap the tubes was intended to reveal this. If the strong tube was in the same position after the swap, then obviously one of the sensing resistors is bad (perhaps both of them, one just a little worse than the other).
>
> Matching in terms of biasing has nothing to do with one tube or the other “working harder”. The mutual conductance balance determines how well balanced the “work load” is for parallel tubes. Idle balance determines the amount of heat dissipated by the tubes at idle, a point at which they are consuming power while producing no output. All of the power drawn by the tubes is lost as heat. Balancing the tubes for idle current allows you to bias the final amplifier to its optimum without the stronger tube's running too hot.
>
> As a postscript:
>
> I have worked in vacuum physics for 45 years, including sputtering as one of the disciplines. I worked on development of zero TCR resistors, as I said, for Honeywell. I also worked on magnetoresistive devices for use as zero bounce switches.
>
> I worked with Gottfreid K. Wehner, after whom the unit “Wehner” was named (the unit of measure for sputter deposition dosage) during my years working for “the world leader in surface analysis”. I designed and built the first Molecular Beam Epitaxy deposition system produced by that company, and that included in-situ Auger Electron analysis as well as RHEED (an electron diffraction crystallographic method for thin films).
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> So I am not reading from Wiki either...
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> Gary
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>> On Feb 10, 2018, at 9:00 PM, Richard Knoppow <1oldlens1@ix.netcom.com> wrote:
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>> I think the resistors would have to run pretty hot for the TC to be significant. But they should not be run near their power limit anyway. 35mA in 15 ohms is less than 0.02 watts. You can calculate the heating from this but I would have to look it up. I would not say metal is "far better" than carbon film, it depends on the desired precision and heating.

Resistors in precision measurement should never run hot. Eventually, you get nearly zero TC precision wire wound resistors running in an oil bath as in an ancient Otto Wolf bridge I had under my hand and seal for a while.
>> I spent a couple of my best years working for a precision resistor manufacturer and got to learn something about vacuum deposition. We also made pyrolytic mil spec carbon film resistors. Its possible to make metal film resistors with almost any TC both positive and negative depending on the mix of metals in the coating.
>>
>> On 2/10/2018 6:24 PM, MadScientist wrote:
>>> No resistor should be run close enough to its rating to change significantly in value when “loaded”.
>>> Carbon resistors have a significant negative temperature coefficient of resistance. Metal film resistors typically have very small and positive TCR’s, so they are far better for metering applications than any Carbon or Carbon film.
>>> Most metal film resistors are often made from passivated Nichrome, which has a very low and positive TCR.
>>> If you are REALLY concerned, get zero TCR resistors.
>>> Many metal films are designated as “zero TCR” by virtue of selecting the resistive metal mix with proper blends of positive and negative TCR’s. Usually these would be Platinum and Palladium silicide types.
>>> I worked on manufacturing processes for such resistors for Honeywell back in the late 1970’s...
>>> Gary
>>>> On Feb 10, 2018, at 8:02 PM, john g <johng101501@... <mailto:johng101501@yahoo.com> > wrote:
>>>>
>>>> I will check out the values tomorrow but i wonder if replacing them is just the best option - outside of a tube difference there isn't much to cause this as far as i can tell. I have new metal oxides right here. who knows what a resistor will do under load? Anybody ever had a value or current change when a m/o resistor was loaded?
>>>>
>>>> On ☐Saturday☐, ☐February☐ ☐10☐, ☐2018☐ ☐08☐:☐18☐:☐03☐ ☐PM☐ ☐EST, Richard Knoppow 1oldlens1@ix.netcom.com <mailto:1oldlens1@.... com> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@ yahoogroups.com>> wrote:
>>>>
>>>>
>>>> Its easy enough to measure the cathode resistors and screen
>>>> stopper resistors. The stoppers are low value and will not make
>>>> much difference to the screen voltage but if used to measure
>>>> screen current they should be very close to the right value. The
>>>> type of resistors available for both positions will be better
>>>> than 5%, most I've measured are around 1%. Garrey Barrell
>>>> recommends metal oxide resistors for the cathodes but I've used
>>>> plain carbon film with good results.
>>>>
>>>> On 2/10/2018 4:46 PM, MadScientist dukeshifi@... <mailto:dukeshifi@...>
>>>> [DrakeRadio] wrote:
>>>>>
>>>>>
>>>>> Well, the first thing I would do is swap tube positions and make
>>>>> the measurement again to see if the stronger one moves with the
>>>>> swap. That will tell you that you have two tubes with differing
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>>>>>
>>>>> The reading you are getting would certainly be off by the same
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>>>>> insensitive to screen resistor value!).
>>>>>

>>>>> You are seeing about 18% difference, which I feel is quite a bit
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>>>>>
>>>>> Tubes matched for idle current SHOULD be within 5 to 7%
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>>>>> If you want to live with the imbalance, then set the idle current
>>>>> low by about 15% on the meter. You won't lose much output but
>>>>> your "active" tube will suffer less.
>>>>>
>>>>> Gary
>>>>
>>>>
>>>>>
>>>>
>>>> --
>>>> Richard Knoppow
>>>> 1oldlens1@... <mailto:1oldlens1@.... com>
>>>> WB6KBL
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>>>> ------------------------------ ------
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>>>> Yahoo Groups Links
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>> --
>> Richard Knoppow
>> 1oldlens1@...
>> WB6KBL
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Richard Knoppow
1oldlens1@ix.netcom.com
WB6KBL

43021. RE: [DrakeRadio] AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 19:44:54 UTC
From: Joe
Topic: 42998 Message: 43021
Attachments: 3 described; binary payloads are missing from this source WARC

Ahhh..Found them! This is what I had to do when the transformer screws were backwards!

As I said, I much prefer Paul’s kit. Although, both kits work just fine!

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] AC-4 cap kit

43022. Re: [DrakeRadio] AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 20:27:12 UTC
From: Paul Kraemer
Topic: 42998 Message: 43022
Attachments: 3 described; binary payloads are missing from this source WARC

Looks like but bit of a service nightmare---and look at the heat situation of electrolytics up against the hot transformer. Poor cooling?
Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com
Sent: Sunday, February 11, 2018 1:44 PM
To: DrakeRadio@yahoogroups.com ; 'Paul Kraemer'
Subject: RE: [DrakeRadio] AC-4 cap kit

Ahhh..Found them! This is what I had to do when the transformer screws were backwards!

As I said, I much prefer Paul’s kit. Although, both kits work just fine!

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] AC-4 cap kit

43023. Re: [DrakeRadio] T4XB keying voltage

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 20:31:09 UTC
From: Richard Knoppow
Topic: 43015 Message: 43023

To be more exact its -31 volts to ground from the center pin
of the 1/4" jack.

On 2/11/2018 11:16 AM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> Measures about 30V on mine.
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43024. Re: [DrakeRadio] AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 20:35:12 UTC
From: Richard Knoppow
Topic: 42998 Message: 43024

This appears to be the Heathkit Shop kit, not your design
from Harbach. I have two supplies with the Heathkit mod in them,
they work fine but I removed the old caps. If I do another one I
will get one of yours because I think its a better design.
I do recommend removing the old caps. I don't care what they
look like but they can eventually leak, especially with no charge
on them for long periods. The stuff that comes out is very
corrosive. Easy to remove. I think your kit requires removing them.

On 2/11/2018 12:27 PM, 'Paul Kraemer' elespe@...
[DrakeRadio] wrote:
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43025. Re: [DrakeRadio] Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 21:07:00 UTC
From: Gary Winblad
Topic: 42955 Message: 43025

Thank you Richard (and others),
I did it with the resistors, re-did the filter match, re-did everything
and...
OMG, it is now working great!

The resistors must have helped but I also carefully measured the slug
height and set it there instead of using the preselector pointer.

Can't hear any signals on 10m but 15m is excellent.? The S-meter now
almost matches my Kenwood TS-440s, just like I remembered.
Now almost any weak signal can move the S-meter.

2.4KHz LSB is just a little bit (3db?) lower than USB (some filter
widths are actually the same), I consider that just fine.
I picked up a lot of signal in the filter match, I must have done
something wrong the first time, unless getting the IF T7/T10 at its peak
made it different.

I am a real happy camper.? Now onto the T-4x.
73,
Gary
WB6OGD

On 2/10/2018 5:11 PM, Richard Knoppow wrote:
> Garrey Barrell made actual measurements which are in an article he
> wrote. The tuned circuits have a broad pass band which is not
> obtainable with straight peaking. See
> http://www.wb4hfn.com/DRAKE/DrakeArticles/R4B%20Alignment/R4B%20Align.htm
>
> On 2/10/2018 4:33 PM, Gary Winblad wrote:
>> Richard,
>> WHAT difference to the load resistors make, actually?
>> As opposed to just peaking for max..?? Didn't I read fairly recently
>> that Drake factory even stopped using the loads?
>> Yes, I know its RF alignment or bad tubes or parts..
>

43026. Re: [DrakeRadio] Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 21:14:21 UTC
From: Richard Knoppow
Topic: 42955 Message: 43026

The pointer is a push on so can be anywhere. Should be set at
the counter clockwise end of the scale when the RF tuning is
turned to its CCW stop. Pull it off and push it on again. Its
only a guide.
S meters will hardly ever match. I don't know what reference
Kenwood uses but many receivers use 50uV for S9 and 6db per S
unit. Drake uses 30uV for S9 and 5db per S unit. Not big deal.
You should be getting a reasonable signal on 10 meters from
the calibrator. Even if the band is dead (I guess it is now) the
calibrator will tell you if the receiver is working there.
Anyway, congratulations, this is a very good receiver.

On 2/11/2018 1:07 PM, Gary Winblad wrote:
> Thank you Richard (and others),
> I did it with the resistors, re-did the filter match, re-did
> everything and...
> OMG, it is now working great!
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43027. Re: [DrakeRadio] AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 22:14:23 UTC
From: el34guy@...
Topic: 42998 Message: 43027

I have used the Heathkit one and have had good results.

73
Mark
W0NCL

43028. Drake AC-4R AC-4 rebuild kir from Heathkit shop FS

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 22:16:28 UTC
From: Kc9cdt@...
Topic: 43028 Message: 43028

Hi everyone...
This is just a berginning...I have lots of Drake parts cominig up for sale.

I have a Heath Kit Shop AC-4 full rebuild kit NOS...parts bag still sealed.
$45 Shipped Cont US only.
Thanks,
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43029. RE: [DrakeRadio] Drake AC-4R AC-4 rebuild kir from Heathkit shop FS

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 22:31:29 UTC
From: Eric Moore
Topic: 43028 Message: 43029

I will take it.
Thanks, Eric K8cca

Happy Connecting. Sent from my Sprint Samsung Galaxy S® 5

-------- Original message --------
From: "Kc9cdt@aol.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Date: 2/11/18 5:16 PM (GMT-05:00)
To: drakeradio@yahoogroups.com
Subject: [DrakeRadio] Drake AC-4R AC-4 rebuild kir from Heathkit shop FS

Hi everyone...
This is just a berginning...I have lots of Drake parts cominig up for sale.

I have a Heath Kit Shop AC-4 full rebuild kit NOS...parts bag still sealed.

$45 Shipped Cont US only.

Thanks,

73,

Lee

Lee Simmonds

Summit DCS

260-403-6936 Cell

43030. Resume

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 22:36:34 UTC
From: John E. Beck
Topic: 43030 Message: 43030

blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid !important; padding-left:1ex !important; background-color:white !important; } Gary.
You have made my week. First of all, I have always been very impressed with your level of knowledge and ability to clarify the complex for all of us here on the list. But you literally made me laugh out loud with the description of your qualifications.
45 years experience in vacuum physics (impressive)Development of zero TCR resistors for Honeywell. (quite impressive)Worked with magneto resistive devices (very impressive)Designed and built an electron diffraction crystallographic method for thin films (I think I know what that might be. Extremely impressive.)Designed and built the first Molecular Beam Epitaxy deposition system (I have no idea what that is, but WOW - what credentials!)Working within the discipline of "sputtering."
My dad: "Son, what do you want to when and if you grow up?"Me: "Dad, I want to study sputtering."
Since the thread dealt with vacuum tubes I think I might know what it means, but could you please explain what it is so I can impress my broadcast engineering colleagues at work with my knowledge?
Thanks again for giving me a smile.
JohnWB0RXL

Sent from Yahoo Mail for iPad

43031. Needed Drake R-4 R-4A R-4B R-4C part

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 22:49:14 UTC
From: dan COTSIRILOS
Topic: 43031 Message: 43031

Is anyone prating out a R4 R4a or R4B r-4C receiver? OR HAVE A PARTS RADIO? I need the 6 position
function switch with the on/off. Please me direct k9dtc@... or call 708 357 3315

Dan k9dtc

43032. Re: [DrakeRadio] AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 23:02:18 UTC
From: Joseph Devonshire
Topic: 42998 Message: 43032

Thanks to all who responded to this inquiry. Paul made a most compelling statement regarding the heat dissipation. That's what I was thinking about when I saw Mike's kit. I see this as a no brainer for the Harbach kit, but I'm also thinking about Mike's fan kit to add on to the restored PS. If you haven't seen Mike's fan kit, it is in the Feb. 2018 issue of QST. I think he has it on his website also. If I was a purist, I'd be getting the kit from Hayseed. Tom does produce an excellent product.Also, thank you to Joe for the pictures.
73.Joe AB1YO

On Sunday, February 11, 2018 12:02 PM, "'Paul Kraemer' elespe@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

ScottPlease be advised you have made an incorrect and misleading statement.The ES4AC4 kit offered by Jeff at Harbach does NOT install to the transformer nor does it require any wire splices. I should know as I designed it around those parameters.It installs simply to the chassis directly over the spaces vacated by the old capacitors and the lead colors are marked on the board for easy attachment without need for splicing.Whatever you installed was made and sold by somebody else RegardsPaul K0UYA From: mailto:DrakeRadio@yahoogroups.com Sent: Saturday, February 10, 2018 10:45 PMTo: DrakeRadio@yahoogroups.com Subject: Re: [DrakeRadio] AC-4 cap kit

You can’t go wrong with any of them. I bought a TR-4CW/RIT with an AC-4 that came with an uninstalled early Harbough kit. I installed the kit with no issues with the exception of mounting to the power transformer. The Harbough board is mounted to the power transformer. There is some ‘risk’ there. You might keep that difference in mind. Some of the others mount to the chassis. In my case, the transformer lamination screws had been cut off just beyond the nuts during manufacturing, so there was not enough threads left to screw on the standoffs. I ended up going to Ace Hardware to buy longer screws that I needed to cut down. Worked fine but it was a long diversion to deal with the screw problem. Board works great. 73, Scott WA9WFA

43033. Re: [DrakeRadio] AC4 Voltage Test Adapter

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 23:09:11 UTC
From: Joseph Devonshire
Topic: 43033 Message: 43033

Very Nice, and a great idea. Do you think Phil would draw up a schematic for it? Please let me know.73Joe AB1YO

On Sunday, February 11, 2018 11:49 AM, "ko4bg1@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

Hello from WET North Alabama! Here is a Picture of my AC4 Test adapter that my Good Friend Phil Chambley "K4DPK" built for me to make it easier to ck the Voltages on the AC4. If I can attach it!Woody "KO4BG"

43034. Re: [DrakeRadio] AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 23:22:10 UTC
From: David Boothe
Topic: 42998 Message: 43034

I also used the Heathkit conversion and had good results and no issues
with the installation.

73

Dave K3DWB

On 2/11/2018 5:14 PM, el34guy@... [DrakeRadio] wrote:
>
> I have used the Heathkit one and have had good results.
>
>
> 73
> Mark
> W0NCL
>
>
>
>
>

43035. TR-4C full alignment equipment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 23:21:09 UTC
From: Stephen Thompson
Topic: 43035 Message: 43035

I did a checkout and rough align months back after purchasing my TR-4C, and it's working pretty well on all five bands. Now I'd like to do the full detailed alignment as prescribed in the manual. Along with my dummy load, for the procedure, I picked up a tiny .0047uF ceramic cap,(the manual calls for a .005uF but I figure the .0047 that was available is close enough) and I got a 1/8 watt 1K resistor (mine is blue and flame proof with no indication on the package that it is non-inductive so not real sure if it is as required for the test load. As for the 11 Megohm VTVM called for in the procedure, all I've got is a good CAT III true RMS DVM. So, I wonder if you think I can get it done with what you see I have here to work with or am I needing anything different, such as a new analog meter or different capacitor value, or resistor type than what I bought today to work with.

Thanks 73
Steve

43036. Re: [DrakeRadio] TR-4C full alignment equipment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 23:34:13 UTC
From: Jeffrey Angus
Topic: 43035 Message: 43036

On 2/11/18 5:21 PM, Stephen Thompson wrote:
> As for the 11 Megohm VTVM called for in the procedure, all I've
> got is a good CAT III true RMS DVM.
A DVM is nice, but I like to watch things move.
I have several VTVMs, but I prefer to use a scope with a 10x probe.
Watching a green line move up and down is easy to do.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43037. Drake AC-4 rebuild kit has been spoken for..

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 23:38:01 UTC
From: Kc9cdt@...
Topic: 43037 Message: 43037

Kit is sold..
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43038. Re: [DrakeRadio] AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-11 23:40:30 UTC
From: Jeffrey Angus
Topic: 42998 Message: 43038

I've done both the Harbach and the Heathkit upgrades for others.
My preferred choice is the Harbach.
<https://harbachelectronics.com/shop/drake/es4ac-4-ac-4-power-supply-rebuild-kit/>

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43039. Re: [DrakeRadio] Resume

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 00:05:58 UTC
From: Bill Houghton
Topic: 43030 Message: 43039

Deposition and sputtering sound like they come from wafer fabrication in the semiconductor industry.
Bill, WA6NEQ

From: "'John E. Beck' wb0rxl@yahoo.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: Yahoogroups <drakeradio@yahoogroups.com>
Sent: Sunday, February 11, 2018 2:38 PM
Subject: [DrakeRadio] Resume

  Gary.
You have made my week. First of all, I have always been very impressed with your level of knowledge and ability to clarify the complex for all of us here on the list. But you literally made me laugh out loud with the description of your qualifications.
45 years experience in vacuum physics (impressive)Development of zero TCR resistors for Honeywell. (quite impressive)Worked with magneto resistive devices (very impressive)Designed and built an electron diffraction crystallographic method for thin films (I think I know what that might be. Extremely impressive.)Designed and built the first Molecular Beam Epitaxy deposition system (I have no idea what that is, but WOW - what credentials!)Working within the discipline of "sputtering."
My dad: "Son, what do you want to when and if you grow up?"Me: "Dad, I want to study sputtering."
Since the thread dealt with vacuum tubes I think I might know what it means, but could you please explain what it is so I can impress my broadcast engineering colleagues at work with my knowledge?
Thanks again for giving me a smile.
JohnWB0RXL

Sent from Yahoo Mail for iPad

43040. Re: T4XB keying voltage

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 00:11:34 UTC
From: rochep@...
Topic: 43015 Message: 43040

Thanks so much.

paul

43041. Re: [DrakeRadio] Resume

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 00:16:16 UTC
From: MadScientist
Topic: 43030 Message: 43041

Thank you for the kind words…

Sputtering is a broad term. It involves mass transport from one place to another, brought about by momentum transfer from an energetic ion (Argon in most cases) to the material that is being transported.

An ion (Ar+ most often) is accelerated towards a surface or material of almost any kind. Momentum of the ionic increased as a function of the electric field through which it passes. As the fast moving ion strikes a material, a chain of momentum transfer events takes place into the material. Eventually that momentum transfer makes its direction towards the surface and causes the surface to eject the surface atom (or, in some cases, molecule) that is on the surface.

The process has two main uses. One is to deliberately remove surface contaminants from a material, such as removing Carbon from a metal surface. This cleans the surface either for surface-sensitive chemical analysis (Auger spectroscopy, for one) or for adhesion promotion of a new coating of metal or other material.

The second major use is to remove material from a designated surface (the target) and causing this material to move through the partial vacuum to another surface, where it condenses and forms a coating of the desired material.

Sputtering is one of the most common coating processes used in manufacturing solid state devices, including transistors, IC’s, solar PV cells, energy control films and so on.

Sputtering is also what causes Neon lights to get dim as they age. Electrode material is “sputtered” by the Neon ions inside, onto the glass envelope.

Molecular Beam Epitaxy is a fancy form of vacuum evaporation. Its strong suit is that it is done at a very low rate in a very good vacuum. By this process, structures can be fabricated such that every other layer of atoms is a different material. These form devices called “quantum wells” which have very interesting optical properties.

The reason this can only be done in very good vacuum conditions is that the slow arrival rate of the desired material (often Gallium or Arsenic or Aluminum) must be significantly higher than the arrival rates of contaminants in the vacuum system. Typical vacuum levels for this method are in the range of 1E-10 Torr (~1E-12 atmospheres), better than the vacuum in the wake of the space shuttle.

These methods have everything to do with vacuum tubes. Pumping methods are similar, pressure ranges are similar, sputtering and other forms of atomic migration take place in vacuum tubes leading to their demise.

Without MBE there would be no laser diodes…

Glad to offer some insight.

Gary

PS: I love this stuff which is why I am still working some at the age of 69! Now I want to travel more so I am passing the torch this spring.

> On Feb 11, 2018, at 4:36 PM, 'John E. Beck' wb0rxl@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Gary.
>
>
> You have made my week. First of all, I have always been very impressed with your level of knowledge and ability to clarify the complex for all of us here on the list. But you literally made me laugh out loud with the description of your qualifications.
>
> 45 years experience in vacuum physics (impressive)
> Development of zero TCR resistors for Honeywell. (quite impressive)
> Worked with magneto resistive devices (very impressive)
> Designed and built an electron diffraction crystallographic method for thin films (I think I know what that might be. Extremely impressive.)
> Designed and built the first Molecular Beam Epitaxy deposition system (I have no idea what that is, but WOW - what credentials!)
> Working within the discipline of "sputtering."
>
> My dad: "Son, what do you want to when and if you grow up?"
> Me: "Dad, I want to study sputtering."
>
> Since the thread dealt with vacuum tubes I think I might know what it means, but could you please explain what it is so I can impress my broadcast engineering colleagues at work with my knowledge?
>
> Thanks again for giving me a smile.
>
> John
> WB0RXL
>
>
>
>
> Sent from Yahoo Mail for iPad <https://yho.com/footer0>
>
>

43042. Re: [DrakeRadio] Needed Drake R-4 R-4A R-4B R-4C part

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 00:45:09 UTC
From: Steve Wedge
Topic: 43031 Message: 43042

There's also a guy who sells parts on eBay - 'tr7dude' Contact him to see
if he's going to have anything available...

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Feb 11, 2018 at 5:49 PM, dan COTSIRILOS k9dtc33@...
[DrakeRadio] <DrakeRadio@...m> wrote:

>
>
> Is anyone prating out a R4 R4a or R4B r-4C receiver? OR HAVE A PARTS
> RADIO? I need the 6 position
> function switch with the on/off. Please me direct k9dtc@... or
> call 708 357 3315 <(708)%20357-3315>
>
> Dan k9dtc
>
>
>

43043. Re: [DrakeRadio] TR-4C full alignment equipment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 00:59:24 UTC
From: Steve Wedge
Topic: 43035 Message: 43043

+1 on what Jeff uses. I use my scope, as well.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Feb 11, 2018 at 6:34 PM, Jeffrey Angus jdangus@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> On 2/11/18 5:21 PM, Stephen Thompson wrote:
> > As for the 11 Megohm VTVM called for in the procedure, all I've
> > got is a good CAT III true RMS DVM.
> A DVM is nice, but I like to watch things move.
> I have several VTVMs, but I prefer to use a scope with a 10x probe.
> Watching a green line move up and down is easy to do.
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>
>

43044. Re: [DrakeRadio] TR-4C full alignment equipment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 01:18:38 UTC
From: Stephen Thompson
Topic: 43035 Message: 43044

Hi Jeff,

Thanks for your reply. What I'm looking for is a Go, NoGo nod one way or the other if the parts and equipment I outlined earlier that I have here are adequate for the procedure, Then, if not, I hope to get some suggestions. I don't have any electronics lab gear, only the good DVM that I mentioned earlier. My TR-4C manual written in the 1970s details the need for a 11 Megohm (VTVM.) All I have is a 2018 Cat III true RMS DVM with no needle or green trace. What I need to know is whether this may be used effectively in the outlined alignment procedures or do I need to go buy another meter now with a needle since one step does require a zero adjust for a mid scale reading to start. Or is there a work around for that step for a typical digital meter. If that isnt possible and I have to buy one, what make and model do you think would be worth buying. Also, needing to know from someone in the know, is if my 1K ohm 1/8watt flame proof resistor is non-inductive.. cause the package doesnt say. And then, if my tiny .0047uF ceramic cap is close enough in value to the .005uF mention for construction of the required load tool described in the manual to use in the procedure. So, those are my concerns before proceeding with the alignment procedures. I'm sure someone in the group has gone through this and has some pointers. Anyway, any advice would sure be appreciated.

Thanks again 73
Steve
K5PK

On Sun, 2/11/18, Jeffrey Angus <jdangus@...> wrote:

Subject: Re: [DrakeRadio] TR-4C full alignment equipment
To: DrakeRadio@yahoogroups.com, "Stephen Thompson" <v2positiverate@...>
Date: Sunday, February 11, 2018, 5:34 PM

On 2/11/18 5:21 PM, Stephen
Thompson wrote:
> As for the 11 Megohm
VTVM called for in the procedure, all I've
> got is a good CAT III true RMS
DVM.
A DVM is nice, but I like to
watch things move.
I have several VTVMs, but
I prefer to use a scope with a 10x probe.
Watching a green line move up and down is easy
to do.

--
"I am a river to my
people."

Jeff-1.0
WA6FWI
www.foxsmercantile.com

43045. Re: [DrakeRadio] AC-4 cap kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 01:20:21 UTC
From: Whitebear1122
Topic: 42998 Message: 43045

Hey Paul (and list), Great to hear from you. Oh that’s right, Harbach sells your ES4AC4 kit, I must have been thinking about the Heathkit shop. Thanks. 73, Scott WA9WFA

43046. Re: [DrakeRadio] TR-4C full alignment equipment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 01:45:00 UTC
From: Jeffrey Angus
Topic: 43035 Message: 43046

On 2/11/18 7:18 PM, Stephen Thompson v2positiverate@...
[DrakeRadio] wrote:
>
> My TR-4C manual written in the 1970s details the need for a
> 11 Megohm (VTVM.) All I have is a 2018 Cat III true RMS DVM.
>
First issue. Apparently some manufacturers aren't listing the
input impedance of their equipment.

How to test that.
1.5 volt battery. (AA works fine)
1.0 Meg resistor. (Any wattage)
Step one, measure the battery directly.
Lets assume it measure 1.5 v for simplicity.
Step two, measure it again with a 1 meg resistor in series.
If it measures 1.375 v you have an 11 meg input impedance.
If it measure 0.75 you have an input impedance of 5 meg.
>
> with no needle or green trace. What I need to know is whether
> this may be used effectively in the outlined alignment procedures
> or do I need to go buy another meter now with a needle since one
> step does require a zero adjust for a mid scale reading to start.
>
A digital meter is essentially a zero reading meter. Watch the +/-
indicator as it swings through zero volts.
>
> Or is there a work around for that step for a typical digital meter.
>
It'll work fine. It's just a little annoying to watch the digits and make
the mental connection of what it's doing.
>
> Also, needing to know from someone in the know, is if my 1K ohm
> 1/8watt flame proof resistor is non-inductive.
>
Generally yes.
>
> And then, if my tiny .0047uF ceramic cap is close enough in value to
> the .005uF mention for construction of the required load tool
> described in the manual to use in the procedure.
>
That's within 6% if it's actually 0,0047 pF.
What Drake is trying to do is provide a uniform lower impedance for the
alignment.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43047. Re: [DrakeRadio] TR-4C full alignment equipment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 02:06:48 UTC
From: Richard Knoppow
Topic: 43035 Message: 43047

FWIW, this applies to the R4B. The AVC adjustments specify an 11 megohm VTVM. Garey Barrell says Drake was using Heathkit meters (which are 11 meg). I compared the readings at TP2 on the R4B with three meters, a Hewlett-Packard bench digital voltmeter with a speced input resistance of 10 megohm, a General Radio 1800-A VTVM with 10 meg input, a Hewlett-Packard 410B with 122 megohm. There is a difference. Even the 10 meg meters pull the voltage down a little while the 410-B does not change it at all. I can see the change on the S meter when using the two 10meg meters. I am not sure why Heath used 11meg but probably because the ratios of the resistances in the voltage divider were more convenient. You do have to be careful if you use a high voltage probe because the difference between 10 meg and 11 meg will introduce an error.
Who made the Cat 111 meter or is that a brand name?
If you can't find a spec his procedure will work.

On 2/11/2018 5:45 PM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:

>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43048. Re: [DrakeRadio] Resume

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 03:22:03 UTC
From: Gary Follett
Topic: 43030 Message: 43048

Thank you for the kind words…
Sputtering is a broad term. It involves mass transport from one place to another, brought about by momentum transfer from an energetic ion (Argon in most cases) to the material that is being transported.

An ion (Ar+ most often) is accelerated towards a surface or material of almost any kind. Momentum of the ionic increased as a function of the electric field through which it passes. As the fast moving ion strikes a material, a chain of momentum transfer events takes place into the material. Eventually that momentum transfer makes its direction towards the surface and causes the surface to eject the surface atom (or, in some cases, molecule) that is on the surface.

The process has two main uses. One is to deliberately remove surface contaminants from a material, such as removing Carbon from a metal surface. This cleans the surface either for surface-sensitive chemical analysis (Auger spectroscopy, for one) or for adhesion promotion of a new coating of metal or other material.

The second major use is to remove material from a designated surface (the target) and causing this material to move through the partial vacuum to another surface, where it condenses and forms a coating of the desired material.

Sputtering is one of the most common coating processes used in manufacturing solid state devices, including transistors, IC’s, solar PV cells, energy control films and so on.

Sputtering is also what causes Neon lights to get dim as they age. Electrode material is “sputtered” by the Neon ions inside, onto the glass envelope.

Molecular Beam Epitaxy is a fancy form of vacuum evaporation. Its strong suit is that it is done at a very low rate in a very good vacuum. By this process, structures can be fabricated such that every other layer of atoms is a different material. These form devices called “quantum wells” which have very interesting optical properties.

The reason this can only be done in very good vacuum conditions is that the slow arrival rate of the desired material (often Gallium or Arsenic or Aluminum) must be significantly higher than the arrival rates of contaminants in the vacuum system. Typical vacuum levels for this method are in the range of 1E-10 Torr (~1E-12 atmospheres), better than the vacuum in the wake of the space shuttle.

These methods have everything to do with vacuum tubes. Pumping methods are similar, pressure ranges are similar, sputtering and other forms of atomic migration take place in vacuum tubes leading to their demise.

Without MBE there would be no laser diodes…

Glad to offer some insight.

Gary

PS: I love this stuff which is why I am still working some at the age of 69! Now I want to travel more so I am passing the torch this spring.

> On February 11, 2018 at 6:05 PM "Bill Houghton rdrbill@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:
>
>
>
>
>
> Deposition and sputtering sound like they come from wafer fabrication in the semiconductor industry.
>
> Bill, WA6NEQ
>
>
>
> ---
> From: "'John E. Beck' wb0rxl@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: Yahoogroups <drakeradio@yahoogroups.com>
> Sent: Sunday, February 11, 2018 2:38 PM
> Subject: [DrakeRadio] Resume
>
>
> Gary.
>
> You have made my week. First of all, I have always been very impressed with your level of knowledge and ability to clarify the complex for all of us here on the list. But you literally made me laugh out loud with the description of your qualifications.
>
> 45 years experience in vacuum physics (impressive)
> Development of zero TCR resistors for Honeywell. (quite impressive)
> Worked with magneto resistive devices (very impressive)
> Designed and built an electron diffraction crystallographic method for thin films (I think I know what that might be. Extremely impressive.)
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> My dad: "Son, what do you want to when and if you grow up?"
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> Since the thread dealt with vacuum tubes I think I might know what it means, but could you please explain what it is so I can impress my broadcast engineering colleagues at work with my knowledge?
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> Thanks again for giving me a smile.
>
> John
> WB0RXL
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> Sent from Yahoo Mail for iPad https://yho.com/footer0
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43049. Re: [DrakeRadio] Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 15:43:24 UTC
From: garywinblad@...
Topic: 42955 Message: 43049

My pointer is on right. By my dial calipers the slug heights are ever so slightly off.. I think.
In the past I was just adjusting to the old s-meter peak and then re-twieeking all trimmers.
The pointer was always nicely inside the band marking but must not have been at the "right" place. Measuring seemed to work better.. or of course maybe (probably?) it was the resistors.

10m peaked up fine on the calibrator signal. Calibrator IS pretty weak though, <S5, maybe S3.
Calibrator is about S9+15 or +20 on 40, so I think it is fine.

Yes, I know S-meters are different and not accurate, but when it never moves on background noise or solid copy weak signals I knew it wasn't the Drake it used to be... but it is now again.
And the S-meter is actually very close to the Kenwood on signals I was able to compare... with
band QSB it is hard to find signals stable enough.

YES, it is a great receiver, my all time favorite. Having had one back in the day, I know how it
is supposed to be. I have looked at a lot of R-4x's on ebay and YouTube and most of those billed as perfect are most definetly NOT. The easy way to tell by the video is to see how much
the s-meter is moving on slow. It should be really slow.. and fast should be really fast.
73,
Gary
WB6OGD

43050. Re: TR-4C full alignment equipment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 16:07:51 UTC
From: garywinblad@...
Topic: 43035 Message: 43050

To the original poster, I say TRY YOUR DVM. Using my 1985 Taiwanese Fluke clone was key to getting my R-4A alignment done!
The voltmeter you connect can load down the AVC bus. The S-meter runs off the AVC bus.
If you connect your voltmeter and the S-meter changes much, you are loading. That shouldn't really matter to find the peaks. The Drake procedure for the R-4A alignment uses the S-meter,
but I found the total difference was about the pointer width. It was MUCH easier to watch the
digits on the DVM. If Drake had DVMs back then, I bet they would have specified them!
I wouldn't use a Harbor Freight one but my old clone one worked fine. BTW I do have a Eico and a
Heathkit VTVM and a Tek scope but the DVM worked better for me.
Go for it.
73,
Gary
WB6OGD

43051. Re: [DrakeRadio] Re: TR-4C full alignment equipment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 16:34:52 UTC
From: David Boothe
Topic: 43035 Message: 43051

I used my 'true RMS' DVM for aligning my TR-4C and all worked out well.
I did use the specified loads during the procedures in the manual.

73

Dave K3DWB

On 2/12/2018 11:07 AM, garywinblad@... [DrakeRadio] wrote:
>
> To the original poster, I say TRY YOUR DVM. Using my 1985 Taiwanese
> Fluke clone was key to
>
> getting my R-4A alignment done!
>
> The voltmeter you connect can load down the AVC bus. The S-meter runs
> off the AVC bus.
>
> If you connect your voltmeter and the S-meter changes much, you are
> loading. That shouldn't
>
> really matter to find the peaks. The Drake procedure for the R-4A
> alignment uses the S-meter,
>
> but I found the total difference was about the pointer width. It was
> MUCH easier to watch the
>
> digits on the DVM. If Drake had DVMs back then, I bet they would have
> specified them!
>
> I wouldn't use a Harbor Freight one but my old clone one worked
> fine. BTW I do have a Eico and a
>
> Heathkit VTVM and a Tek scope but the DVM worked better for me.
>
> Go for it.
>
> 73,
>
> Gary
>
> WB6OGD
>
>

43052. Re: [DrakeRadio] Re: R-4A IF alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 17:55:56 UTC
From: Richard Knoppow
Topic: 42955 Message: 43052

The pointer is only a guide. The slug heights are important.
They are set and the VFO set to the right frequency for
alignment. I use a depth micrometer to set the slugs. Its
possible to measure them with a small steel rule but its
difficult for me to read it accurately, the depth micrometer is
easy.

On 2/12/2018 7:43 AM, garywinblad@... [DrakeRadio] wrote:
>
>
> My pointer is on right.? By my dial calipers the slug heights are
> ever so slightly off.. I think.
>
> In the past I was just adjusting to the old? s-meter peak and
> then re-twieeking all trimmers.
>
> The pointer was always nicely inside the band marking but must
> not have been at the "right"
>
> place.? Measuring seemed to work better.. or of course maybe
> (probably?) it was the resistors.
>
>
> 10m peaked up fine?on the calibrator signal.? Calibrator IS
> pretty weak though, <S5, maybe S3.
>
> Calibrator is about S9+15 or +20 on 40, so I think it is fine.
>
>
> Yes, I know S-meters are different and not accurate, but when it
> never moves on background
>
> noise or solid copy weak signals I knew it wasn't the Drake it
> used to be... but it is now again.
>
> And the S-meter is actually very close to the Kenwood on signals
> I was able to compare... with
>
> band QSB it is hard to find signals stable enough.
>
>
> YES, it is a great receiver, my all time favorite.? Having had
> one back in the day, I know how it
>
> is supposed to be.? I have looked at a lot of R-4x's on ebay and

> YouTube and most of those
>
> billed as perfect are most definetly NOT.? The easy way to tell
> by the video is to see how much
>
> the s-meter is moving on slow.? It should be really slow..? and
> fast should be really fast.
>
> 73,
>
> Gary
>
> WB6OGD
>
>
>
>
>
> ---
> Posted by: garywinblad@...

--
Richard Knoppow
1oldlens1@...
WB6KBL

43053. Re: [DrakeRadio] Re: TR-4C full alignment equipment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 17:56:55 UTC
From: Richard Knoppow
Topic: 43035 Message: 43053

I agree, even though the meter is not ideal try it anyway.

On 2/12/2018 8:07 AM, garywinblad@... [DrakeRadio] wrote:
>
>
> To the original poster, I say TRY YOUR DVM.?? Using my 1985
> Taiwanese Fluke clone was key to
>
> getting my R-4A alignment done!
>
> The voltmeter you connect can load down the AVC bus.? The S-meter
> runs off the AVC bus.
>
> If you connect your voltmeter and the S-meter changes much, you
> are loading.? That shouldn't
>
> really matter to find the peaks.? The Drake procedure for the
> R-4A alignment uses the S-meter,
>
> but I found the total difference was about the pointer width.? It
> was MUCH easier to watch the
>
> digits on the DVM.? If Drake had DVMs back then, I bet they would
> have specified them!
>
> I wouldn't use a Harbor Freight one but my old clone ?one worked
> fine.? BTW I do have a Eico and a
>
> Heathkit VTVM and a Tek scope but the DVM worked better for me.
>
> Go for it.
>
> 73,
>
> Gary
>
> WB6OGD
>

Richard Knoppow
1oldlens1@...
WB6KBL

43054. TR-4 Alignment questions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 20:40:53 UTC
From: Mark Alexander
Topic: 43054 Message: 43054

I have a currently running TR-4 which receives well and have had good reports on xmit. I do see that maximum out on 80 and 40M (Which I mostly use) is 100-125W max in tune.
Would like to get output closer to max spec which I believe is +200W into dummy load ?
So I decided to pull it and run through the alignment procedure per the manualI have a few questions in section VIII Alignment Instructions:
1) Paragraph A - Not sure what is being done here. Can someone explain this more precisely? "Connect a wire from receiver antenna terminal to V5 of TR-4 - (Wrap wire around tube a turn or two)
2) Paragraph E - I saw it mentioned that the use of the alignment load is really not necessary. (http://www.zerobeat.net/drakelist/drakemod/drmod92.html) Does one continue with the same settings without alignment load connected ?
3) Paragraph G - I remember it being mentioned that one does not need to disconnect power connections? True / False ?
4) Paragraph J - When it is mentioned to adjust T-8 or T-7 it makes no mention of top or bottom as it does in T-10 and T-9. Does this mean to "adjust both top AND bottom" ?
5) Paragraph L - Attempted this but never got any output from speaker.
I basically quickly ran through the process and noted a few issues. I forgot to note where the adjustments did not seem to have any noticeable effect.
If there are other hints and tricks all would be appreciated.
I do have a precision RF signal generator, (150kHz to 160MHz in 1Hz resolution, no modulation), a spectrum analyzer and dual channel digital scope, but no decent audio device)
Thanks everyone.Mark

43055. Re: [DrakeRadio] TR-4 Alignment questions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 20:55:01 UTC
From: Barry
Topic: 43054 Message: 43055

Paragraph A - You're using an external general-coverage receiver to tune in WWV (without its BFO or product-detector on) and then, with C-45, you're zero-beating one of the harmonics of the 100khz crystal calibrator against WWV.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Mark Alexander n9ppw@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: "DrakeRadio" <drakeradio@yahoogroups.com>
> Sent: Monday, February 12, 2018 2:40:53 PM
> Subject: [DrakeRadio] TR-4 Alignment questions
>
> I have a currently running TR-4 which receives well and have had good reports
> on xmit. I do see that maximum out on 80 and 40M (Which I mostly use) is
> 100-125W max in tune.
> Would like to get output closer to max spec which I believe is +200W into
> dummy load ?
> So I decided to pull it and run through the alignment procedure per the
> manualI have a few questions in section VIII Alignment Instructions:
> 1) Paragraph A - Not sure what is being done here. Can someone explain this
> more precisely? "Connect a wire from receiver antenna terminal to V5 of TR-4
> - (Wrap wire around tube a turn or two)
> 2) Paragraph E - I saw it mentioned that the use of the alignment load is
> really not necessary. (
> http://www.zerobeat.net/drakelist/drakemod/drmod92.html) Does one continue
> with the same settings without alignment load connected ?
> 3) Paragraph G - I remember it being mentioned that one does not need to
> disconnect power connections? True / False ?
> 4) Paragraph J - When it is mentioned to adjust T-8 or T-7 it makes no
> mention of top or bottom as it does in T-10 and T-9. Does this mean to
> "adjust both top AND bottom" ?
> 5) Paragraph L - Attempted this but never got any output from speaker.
> I basically quickly ran through the process and noted a few issues. I forgot
> to note where the adjustments did not seem to have any noticeable effect.
> If there are other hints and tricks all would be appreciated.
> I do have a precision RF signal generator, (150kHz to 160MHz in 1Hz
> resolution, no modulation), a spectrum analyzer and dual channel digital
> scope, but no decent audio device)
> Thanks everyone.Mark
>

43056. Re: [DrakeRadio] TR-4 Alignment questions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 21:23:58 UTC
From: Mark Alexander
Topic: 43054 Message: 43056

Sorry still don't get it.Per instructions:
Set function to CALTune in WWV on general coverage receiver with BFO off.Connect wire from receiver antenna terminal to V5 (wrap wire around tube 1-2 turns)Adj C-45 until cal signal is zero beat with un-modulated WWV carrier.

WWV is an AM signal, so BFO off means still AM signal, you are saying product detect off which basically means 10MHz carrier. (I have a SW radio (no BFO)) How would one turn off product detect?

I am assuming when set to CAL that one need to tune in the cal signal?
What receiver antenna terminal are we talking here the one on the other receiver ? What will that do ?
I tried using the signal generator 10MHz wrapped around tube. This did not have any effect.

On Monday, February 12, 2018, 2:57:19 PM CST, Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Paragraph A - You're using an external general-coverage receiver to tune in WWV (without its BFO or product-detector on) and then, with C-45, you're zero-beating one of the harmonics of the 100khz crystal calibrator against WWV.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Mark Alexander n9ppw@yahoo.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: "DrakeRadio" <drakeradio@yahoogroups.com>
> Sent: Monday, February 12, 2018 2:40:53 PM
> Subject: [DrakeRadio] TR-4 Alignment questions
>
> I have a currently running TR-4 which receives well and have had good reports
> on xmit. I do see that maximum out on 80 and 40M (Which I mostly use) is
> 100-125W max in tune.
> Would like to get output closer to max spec which I believe is +200W into
> dummy load ?
> So I decided to pull it and run through the alignment procedure per the
> manualI have a few questions in section VIII Alignment Instructions:
> 1) Paragraph A - Not sure what is being done here. Can someone explain this
> more precisely? "Connect a wire from receiver antenna terminal to V5 of TR-4
> - (Wrap wire around tube a turn or two)
> 2) Paragraph E - I saw it mentioned that the use of the alignment load is
> really not necessary. (
> http://www.zerobeat.net/drakelist/drakemod/drmod92.html) Does one continue
> with the same settings without alignment load connected ?
> 3) Paragraph G - I remember it being mentioned that one does not need to
> disconnect power connections? True / False ?

> 4) Paragraph J - When it is mentioned to adjust T-8 or T-7 it makes no
> mention of top or bottom as it does in T-10 and T-9. Does this mean to
> "adjust both top AND bottom" ?
> 5) Paragraph L - Attempted this but never got any output from speaker.
> I basically quickly ran through the process and noted a few issues. I forgot
> to note where the adjustments did not seem to have any noticeable effect.
> If there are other hints and tricks all would be appreciated.
> I do have a precision RF signal generator, (150kHz to 160MHz in 1Hz
> resolution, no modulation), a spectrum analyzer and dual channel digital
> scope, but no decent audio device)
> Thanks everyone.Mark
>

43057. Re: [DrakeRadio] TR-4 Alignment questions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 21:38:15 UTC
From: Richard Knoppow
Topic: 43054 Message: 43057

What you are trying to do is to adjust the calibrator to exactly the WWV frequency. The instructions are also to do this when WWV is not transmitting tone, which is the case perodically every hour. What you want is the WWV carrier. The wire around the tube is to pick up the calibrator signal. when fed into the general coverage receiver it will beat with the WWV carrier so you can get a zero beat. If you do this while WWV is modulating with a tone its easy to get the calibrator zero beat with the tone rather than the carrier. If you have the BFO on the general coverage receiver on you get the same thing: you will probably have a stronger beat from the BFO than from WWV its easy to get confused as to what you are zero beating and wind up on one of the sidebands or if the BFO is on zero beating on the BFO instead of the WWV carrier.

On 2/12/2018 1:23 PM, Mark Alexander n9ppw@... [DrakeRadio] wrote:
>
>
> Sorry still don't get it.
> Per instructions:
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43058. Re: [DrakeRadio] TR-4 Alignment questions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 21:38:43 UTC
From: Jeffrey Angus
Topic: 43054 Message: 43058

On 2/12/18 3:23 PM, Mark Alexander n9ppw@... [DrakeRadio] wrote:
> Set function to CAL
> Tune in WWV on general coverage receiver with BFO off.
> Connect wire from receiver antenna terminal to V5 (wrap wire
> around tube 1-2 turns)
> Adj C-45 until cal signal is zero beat with un-modulated WWV
> carrier.
You're listening to WWV at 10 MHz (r one of their other frequencies)
with the general coverage receiver.
V5 is in the TR-4, it's the 100 KHz calibration oscillator.
A few wraps around the tube with a piece of to pick up the calibrate
signal, connected to the antenna terminal of the general coverage
receiver to it will hear WWV and the calibration signal from the Drake.

Adjusting C45 adjusts the frequency of the 100 KHz oscillator in the
Drake. You're listening to the 100th harmonic at 10 MHz.
The 10 MHz signal of WWV is presumed to be accurate.
Once you adjust the Drake calibration oscillator frequency to zero
beat the signal from WWV, your crystal calibrator is now accurate.

It doesn't matter what mode the Drake is in.
The general coverage receiver is in the AM mode so you don't have
the BFO turned on.
You're mixing the 100th harmonic of 100 KHz and the 10 MHz signal
of WWV together and listening for the zero beat when they are both
the same.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43059. Re: [DrakeRadio] TR-4 Alignment questions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 21:46:24 UTC
From: Barry
Topic: 43054 Message: 43059

If you have an extreeeeemly accurate signal generator (essentially what WWV is anyway), then as an alternative, with the TR-4 in AM mode, you could feed a signal into the TR-4 from the signal generator that's in the receiving range of the TR-4 and somewhere on an even 100khz, turn on the calibrator, and zero-beat those two signals. Given that the TR-4's is what it is, a modern generator is almost as good as WWV for this purpose.

(I just know I'm gonna get in trouble suggesting that...)

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Jeffrey Angus jdangus@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com, "Mark Alexander" <n9ppw@...>
> Sent: Monday, February 12, 2018 3:38:43 PM
> Subject: Re: [DrakeRadio] TR-4 Alignment questions
>
> On 2/12/18 3:23 PM, Mark Alexander n9ppw@... [DrakeRadio] wrote:
> > > Set function to CAL
> > > Tune in WWV on general coverage receiver with BFO off.
> > > Connect wire from receiver antenna terminal to V5 (wrap wire
> > > around tube 1-2 turns)
> > > Adj C-45 until cal signal is zero beat with un-modulated WWV
> > > carrier.
> You're listening to WWV at 10 MHz (r one of their other frequencies)
> with the general coverage receiver.
> V5 is in the TR-4, it's the 100 KHz calibration oscillator.
> A few wraps around the tube with a piece of to pick up the calibrate
> signal, connected to the antenna terminal of the general coverage
> receiver to it will hear WWV and the calibration signal from the Drake.
>
> Adjusting C45 adjusts the frequency of the 100 KHz oscillator in the
> Drake. You're listening to the 100th harmonic at 10 MHz.
> The 10 MHz signal of WWV is presumed to be accurate.
> Once you adjust the Drake calibration oscillator frequency to zero
> beat the signal from WWV, your crystal calibrator is now accurate.
>
> It doesn't matter what mode the Drake is in.
> The general coverage receiver is in the AM mode so you don't have
> the BFO turned on.
> You're mixing the 100th harmonic of 100 KHz and the 10 MHz signal
> of WWV together and listening for the zero beat when they are both
> the same.
>
>
>

> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
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> ------------------------------------
> Posted by: Jeffrey Angus <jdangus@...>
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> Yahoo Groups Links
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43060. Re: [DrakeRadio] TR-4 Alignment questions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 22:11:49 UTC
From: Mark Alexander
Topic: 43054 Message: 43060

Ok ok, I had it backwards, I was thinking I had to zero beat with the cal signal on the Drake with additional input hence confusion.I am sending the cal signal to the receiver to beat against the WWV unmodulated carrier. ANd listen to external receiver for the zero beat.

But to your point can I tune to 4 MHZ and pick off the 40th harmonic. My generator is fairly accurate, then try later to make the receiver method work.

On Monday, February 12, 2018, 3:46:32 PM CST, Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

If you have an extreeeeemly accurate signal generator (essentially what WWV is anyway), then as an alternative, with the TR-4 in AM mode, you could feed a signal into the TR-4 from the signal generator that's in the receiving range of the TR-4 and somewhere on an even 100khz, turn on the calibrator, and zero-beat those two signals. Given that the TR-4's is what it is, a modern generator is almost as good as WWV for this purpose.

(I just know I'm gonna get in trouble suggesting that...)

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Jeffrey Angus jdangus@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com, "Mark Alexander" <n9ppw@...>
> Sent: Monday, February 12, 2018 3:38:43 PM
> Subject: Re: [DrakeRadio] TR-4 Alignment questions
>
> On 2/12/18 3:23 PM, Mark Alexander n9ppw@... [DrakeRadio] wrote:
> > Set function to CAL
> > Tune in WWV on general coverage receiver with BFO off.
> > Connect wire from receiver antenna terminal to V5 (wrap wire
> > around tube 1-2 turns)
> > Adj C-45 until cal signal is zero beat with un-modulated WWV
> > carrier.
> You're listening to WWV at 10 MHz (r one of their other frequencies)
> with the general coverage receiver.
> V5 is in the TR-4, it's the 100 KHz calibration oscillator.
> A few wraps around the tube with a piece of to pick up the calibrate
> signal, connected to the antenna terminal of the general coverage
> receiver to it will hear WWV and the calibration signal from the Drake.
>
> Adjusting C45 adjusts the frequency of the 100 KHz oscillator in the
> Drake. You're listening to the 100th harmonic at 10 MHz.
> The 10 MHz signal of WWV is presumed to be accurate.
> Once you adjust the Drake calibration oscillator frequency to zero

> beat the signal from WWV, your crystal calibrator is now accurate.
>
> It doesn't matter what mode the Drake is in.
> The general coverage receiver is in the AM mode so you don't have
> the BFO turned on.
> You're mixing the 100th harmonic of 100 KHz and the 10 MHz signal
> of WWV together and listening for the zero beat when they are both
> the same.
>
>
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
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> ------------------------------------
> Posted by: Jeffrey Angus <jdangus@...>
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> Yahoo Groups Links
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43061. Re: [DrakeRadio] TR-4 Alignment questions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 22:47:06 UTC
From: Knology
Topic: 43054 Message: 43061

For best accuracy, I'd try to zero-beat it against an even harmonic somewhere in the 10m band but any harmonic should be fine.

Barry - N4BUQ

Sent from my iPad

> On Feb 12, 2018, at 4:11 PM, Mark Alexander n9ppw@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> Ok ok, I had it backwards, I was thinking I had to zero beat with the cal signal on the Drake with additional input hence confusion.
> I am sending the cal signal to the receiver to beat against the WWV unmodulated carrier. ANd listen to external receiver for the zero beat.
>
>
> But to your point can I tune to 4 MHZ and pick off the 40th harmonic. My generator is fairly accurate, then try later to make the receiver method work.
>
>
> On Monday, February 12, 2018, 3:46:32 PM CST, Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> If you have an extreeeeemly accurate signal generator (essentially what WWV is anyway), then as an alternative, with the TR-4 in AM mode, you could feed a signal into the TR-4 from the signal generator that's in the receiving range of the TR-4 and somewhere on an even 100khz, turn on the calibrator, and zero-beat those two signals. Given that the TR-4's is what it is, a modern generator is almost as good as WWV for this purpose.
>
> (I just know I'm gonna get in trouble suggesting that...)
>
> Thanks,
> Barry - N4BUQ
>
> ----- Original Message -----
> > From: "Jeffrey Angus jdangus@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> > To: DrakeRadio@yahoogroups.com, "Mark Alexander" <n9ppw@...>
> > Sent: Monday, February 12, 2018 3:38:43 PM
> > Subject: Re: [DrakeRadio] TR-4 Alignment questions
> >
> > On 2/12/18 3:23 PM, Mark Alexander n9ppw@yahoo.com [DrakeRadio] wrote:
> > > Set function to CAL
> > > Tune in WWV on general coverage receiver with BFO off.

> > > Connect wire from receiver antenna terminal to V5 (wrap wire
> > > around tube 1-2 turns)
> > > Adj C-45 until cal signal is zero beat with un-modulated WWV
> > > carrier.
> > You're listening to WWV at 10 MHz (r one of their other frequencies)
> > with the general coverage receiver.
> > V5 is in the TR-4, it's the 100 KHz calibration oscillator.
> > A few wraps around the tube with a piece of to pick up the calibrate
> > signal, connected to the antenna terminal of the general coverage
> > receiver to it will hear WWV and the calibration signal from the Drake.
> >
> > Adjusting C45 adjusts the frequency of the 100 KHz oscillator in the
> > Drake. You're listening to the 100th harmonic at 10 MHz.
> > The 10 MHz signal of WWV is presumed to be accurate.
> > Once you adjust the Drake calibration oscillator frequency to zero
> > beat the signal from WWV, your crystal calibrator is now accurate.
> >
> > It doesn't matter what mode the Drake is in.
> > The general coverage receiver is in the AM mode so you don't have
> > the BFO turned on.
> > You're mixing the 100th harmonic of 100 KHz and the 10 MHz signal
> > of WWV together and listening for the zero beat when they are both
> > the same.
> >
> >
> >
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> > "I am a river to my people."
> > Jeff-1.0
> > WA6FWI
> > www.foxsmercantile.com
> >
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> > ------------------------------------
> > Posted by: Jeffrey Angus <jdangus@...>
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> > Yahoo Groups Links
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43062. Re: [DrakeRadio] TR-4 Alignment questions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-12 23:45:02 UTC
From: Richard Knoppow
Topic: 43054 Message: 43062

Not quite sure what you are getting at here. Is this to
adjust according to a signal generator?
The main problem with WWV is that it sometimes doesn't come
in. If its reasonably strong you can adjust to it with very good
precision. I will pass along a trick suggested by General Radio
in one of the handbooks for their ancient frequency standards.
They call it the three-oscillator method. It is sometimes
difficult to determine the actual zero beat between two sources
but the beat can be made more audible with a third oscillator,
such as the BFO in a receiver. First, get the unknown as close to
zero beat with the standard as possible by ear. Then turn on the
BFO and set it for a convenient audio note. Theh you will hear a
beat from the other two oscillators. If close to zero beat you
will hear the BFO tone wax and wane. Its possible to set the
unknown to a fraction of a cycle of the standard by this method
and also find close zero beats with detectors that do not have
good low audio frequency response such as old fashioned
headphones. Also, you can use this method with a low frequency
counter or well calibrated audio oscillator to measure the beat
between a standard and a fixed frequency oscillator. A third,
variable, oscillator is helpful in determining the direction the
unknown is in, i.e., above or below the standard. There are other
variations on the method. For the three oscillator method it is
possible to set two signals within less than one Hz of each
other, less if you time the waxing and waning beats. This
requires rather good amplitude stability,that is no QSB, not
always the case with WWV but if its reasonably steady you can
measure down to about 1Hz without too much trouble. This is far
better than you need for a receiver calibrator.

On 2/12/2018 2:47 PM, Knology n4buq@... [DrakeRadio] wrote:

>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43063. Re: [DrakeRadio] TR-4 Alignment questions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-13 01:07:05 UTC
From: Steve Wedge
Topic: 43054 Message: 43063

That is called “close enough”.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Feb 12, 2018, at 17:47, Knology n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> For best accuracy, I'd try to zero-beat it against an even harmonic somewhere in the 10m band but any harmonic should be fine.
>
> Barry - N4BUQ
>
> Sent from my iPad
>
>> On Feb 12, 2018, at 4:11 PM, Mark Alexander n9ppw@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>> Ok ok, I had it backwards, I was thinking I had to zero beat with the cal signal on the Drake with additional input hence confusion.
>> I am sending the cal signal to the receiver to beat against the WWV unmodulated carrier. ANd listen to external receiver for the zero beat.
>>
>>
>> But to your point can I tune to 4 MHZ and pick off the 40th harmonic. My generator is fairly accurate, then try later to make the receiver method work.
>>
>>
>> On Monday, February 12, 2018, 3:46:32 PM CST, Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>>
>> If you have an extreeeeemly accurate signal generator (essentially what WWV is anyway), then as an alternative, with the TR-4 in AM mode, you could feed a signal into the TR-4 from the signal generator that's in the receiving range of the TR-4 and somewhere on an even 100khz, turn on the calibrator, and zero-beat those two signals. Given that the TR-4's is what it is, a modern generator is almost as good as WWV for this purpose.
>>
>> (I just know I'm gonna get in trouble suggesting that...)
>>
>> Thanks,
>> Barry - N4BUQ
>>
>> ----- Original Message -----

>> > From: "Jeffrey Angus jdangus@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
>> > To: DrakeRadio@yahoogroups.com, "Mark Alexander" <n9ppw@...>
>> > Sent: Monday, February 12, 2018 3:38:43 PM
>> > Subject: Re: [DrakeRadio] TR-4 Alignment questions
>> >
>> > On 2/12/18 3:23 PM, Mark Alexander n9ppw@yahoo.com [DrakeRadio] wrote:
>> > > Set function to CAL
>> > > Tune in WWV on general coverage receiver with BFO off.
>> > > Connect wire from receiver antenna terminal to V5 (wrap wire
>> > > around tube 1-2 turns)
>> > > Adj C-45 until cal signal is zero beat with un-modulated WWV
>> > > carrier.
>> > You're listening to WWV at 10 MHz (r one of their other frequencies)
>> > with the general coverage receiver.
>> > V5 is in the TR-4, it's the 100 KHz calibration oscillator.
>> > A few wraps around the tube with a piece of to pick up the calibrate
>> > signal, connected to the antenna terminal of the general coverage
>> > receiver to it will hear WWV and the calibration signal from the Drake.
>> >
>> > Adjusting C45 adjusts the frequency of the 100 KHz oscillator in the
>> > Drake. You're listening to the 100th harmonic at 10 MHz.
>> > The 10 MHz signal of WWV is presumed to be accurate.
>> > Once you adjust the Drake calibration oscillator frequency to zero
>> > beat the signal from WWV, your crystal calibrator is now accurate.
>> >
>> > It doesn't matter what mode the Drake is in.
>> > The general coverage receiver is in the AM mode so you don't have
>> > the BFO turned on.
>> > You're mixing the 100th harmonic of 100 KHz and the 10 MHz signal
>> > of WWV together and listening for the zero beat when they are both
>> > the same.
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>> > --
>> > "I am a river to my people."
>> > Jeff-1.0
>> > WA6FWI
>> > www.foxsmercantile.com
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>> > ------------------------------------
>> > Posted by: Jeffrey Angus <jdangus@...>
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>> >
>> > Yahoo Groups Links

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43064. Drake C-4 Console For Sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-13 02:22:40 UTC
From: Gary Wells
Topic: 43064 Message: 43064

I have a C-4 console w/accessories for sale. It is complete with the antenna relay box (tested and functional), a direct aftermarket copy of the Power Master control box that I built, dust cover, original manual, extra new numbers for the clock (originals are good but thought maybe I would update one day) and also an RCS-4 antenna control head.
Pictures on this
link. https://www.dropbox.com/sh/ucz3pq8slh9td6d/AACMXuJqjtPRT0YwkHdRwwcka?dl=0

$575 plus shipping. Located in Sarasota, Fl. PayPal is good. If any questions please let me know. It was used with my complete C line, L4B and all the other beautiful Drake pieces I had in the shack.
73sGary WB9AYD

43065. Re: Drake C-4 Console For Sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-13 02:44:12 UTC
From: glwells@...
Topic: 43064 Message: 43065

Forgot additional contact info. WB9AYD@yahoo.com is good.

Gary

43066. Re: [DrakeRadio] TR-4 Alignment questions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-13 12:55:18 UTC
From: Mark Alexander
Topic: 43054 Message: 43066

Ok I think we "beat" that topic enough for now :)On to the rest ???repeat -
I have a currently running TR-4 which receives well and have had good reports on xmit. I do see that maximum out on 80 and 40M (Which I mostly use) is 100-125W max in tune.
Would like to get output closer to max spec which I believe is +200W into dummy load ?
So I decided to pull it and run through the alignment procedure per the manualI have a few questions in section VIII Alignment Instructions:
2) Paragraph E - I saw it mentioned that the use of the alignment load is really not necessary. (http://www.zerobeat.net/drakelist/drakemod/drmod92.html) Does one continue with the same settings without alignment load connected ?
3) Paragraph G - I remember it being mentioned that one does not need to disconnect power connections? True / False ?
4) Paragraph J - When it is mentioned to adjust T-8 or T-7 it makes no mention of top or bottom as it does in T-10 and T-9. Does this mean to "adjust both top AND bottom" ?
5) Paragraph L - Attempted this but never got any output from speaker.
I basically quickly ran through the process and noted a few issues. I forgot to note where the adjustments did not seem to have any noticeable effect.If there are other hints and tricks all would be appreciated.I do have a precision RF signal generator, (150kHz to 160MHz in 1Hz resolution, no modulation), a spectrum analyzer and dual channel digital scope, but no decent audio device)

On Monday, February 12, 2018, 7:07:11 PM CST, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

That is called “close enough”.

Steve Wedge, W1ES/4
Sent from my iPhone - the typos have been generated by highly sophisticated software.
On Feb 12, 2018, at 17:47, Knology n4buq@knology..net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

For best accuracy, I'd try to zero-beat it against an even harmonic somewhere in the 10m band but any harmonic should be fine.
Barry - N4BUQ
Sent from my iPad
On Feb 12, 2018, at 4:11 PM, Mark Alexander n9ppw@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Ok ok, I had it backwards, I was thinking I had to zero beat with the cal signal on the Drake with additional input hence confusion.I am sending the cal signal to the receiver to beat against the WWV unmodulated carrier. ANd listen to external receiver for the zero beat.

But to your point can I tune to 4 MHZ and pick off the 40th harmonic. My generator is fairly accurate, then try later to make the receiver method work.

On Monday, February 12, 2018, 3:46:32 PM CST, Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

If you have an extreeeeemly accurate signal generator (essentially what WWV is anyway), then as an alternative, with the TR-4 in AM mode, you could feed a signal into the TR-4 from the signal generator that's in the receiving range of the TR-4 and somewhere on an even 100khz, turn on the calibrator, and zero-beat those two signals. Given that the TR-4's is what it is, a modern generator is almost as good as WWV for this purpose.

(I just know I'm gonna get in trouble suggesting that...)

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Jeffrey Angus jdangus@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com, "Mark Alexander" <n9ppw@...>
> Sent: Monday, February 12, 2018 3:38:43 PM
> Subject: Re: [DrakeRadio] TR-4 Alignment questions
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> On 2/12/18 3:23 PM, Mark Alexander n9ppw@... [DrakeRadio] wrote:
> > > Set function to CAL
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> You're listening to WWV at 10 MHz (r one of their other frequencies)
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> V5 is in the TR-4, it's the 100 KHz calibration oscillator.
> A few wraps around the tube with a piece of to pick up the calibrate
> signal, connected to the antenna terminal of the general coverage
> receiver to it will hear WWV and the calibration signal from the Drake..
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> Adjusting C45 adjusts the frequency of the 100 KHz oscillator in the
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> beat the signal from WWV, your crystal calibrator is now accurate.
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> The general coverage receiver is in the AM mode so you don't have
> the BFO turned on.
> You're mixing the 100th harmonic of 100 KHz and the 10 MHz signal
> of WWV together and listening for the zero beat when they are both
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> "I am a river to my people."
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> WA6FWI
> www.foxsmercantile.com
>

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> ------------------------------------
> Posted by: Jeffrey Angus <jdangus@...>
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> Yahoo Groups Links
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43067. Re: TR-4C full alignment equipment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-13 14:47:49 UTC
From: Stephen Thompson
Topic: 43035 Message: 43067

Thanks everyone for your advice.

43068. Re: Digital Display for Drake 2B - Your Input is Requested

Yahoo group: DrakeRadio (2018)
Date: 2018-02-13 15:53:52 UTC
From: k3jls@...
Topic: 42734 Message: 43068

Hi Kevin,

I don't know if you're still interested, but I have the boards and code ready for both Heathkit radios and for the Drake 2 series. I also have several completely assembled boards. Thus far, I have 5 assembled boards w/TCXO - two with LCD's wired and 3 un-assembled board sets left. Five units have already been shipped.

Please let me know off-net if you want any of these.

73's - Joe - K3JLS

43069. Re: [DrakeRadio] Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-13 16:31:28 UTC
From: Mark Alexander
Topic: 42927 Message: 43069

On the TR-4:The difference I see is that in the 6JB6 the G3 suppressor is pin 8 and cathode in pin 3.During Xmit the voltage on pin 3 (from manual) is 3.5VDC, pin 8 is always 0V as it is tied directly to ground.
If one substitutes the 6GJ5, G3 and cathode are tied together internally in the tube. Pin 8 is NC.Does it make a difference for the suppressor to be at cathode potential 3.5VDC (not GND) during Xmit (and 155VDC during receive) to the overall function of the PA?

I do like the option though :)Mark

On Thursday, February 8, 2018, 8:08:37 AM CST, Curt Nixon captcurt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Yep..

On 02/07/18 6:47 PM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:

The NJ7P tube database is a good reference source of information.
The 6JB6 EIA Base 9QL has the cathode on pin-3 and the
suppressor grid on pin-8. They are separate. Not connected
together.
Interestingly, they list 6KM6 and 6JU6 as preferred substitutes.

The 6GJ5 has the EIA Base 9NM. The suppressor and cathode are
tied together at pin-3. Pin-8 specifically says "do not use."
Hence the "Cut that pin off at the base of the tube" comments.

The reason for this is that in the T-4X pin-8 is tied to ground.
Either cut pin-8 on the tubes, or disconnect pin-8 from ground
at the socket. Failure to do this will short the cathode directly to
ground.This completely bypasses the cathode resistors, the
meter shunt resistors and the plate meter.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43070. Re: [DrakeRadio] Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-13 17:10:43 UTC
From: MadScientist
Topic: 42927 Message: 43070

Having successfully used 6GJ5 t tubes in numerous 6JB6 applications, I would suggest that there is no risk.

Consider that the cathode is floating anyway during receive so no current flows in the tube if the suppressor is at 155 V.Since the suppressor and cathode are at the same potential, no current can flow between them.

The job of the suppressor is to collect secondary electrons that are emitted from the plate in response to high energy electrons from the cathode when they strike the plate (800 electron volts kinetic energy in this application). 3.5 volts change in the suppressor voltage (in transmit) will not change that.

RF-wise, both the cathode and suppressor are at ground potential so no worries there either.

Gary

> On Feb 13, 2018, at 10:31 AM, Mark Alexander n9ppw@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> On the TR-4:
> The difference I see is that in the 6JB6 the G3 suppressor is pin 8 and cathode in pin 3.
> During Xmit the voltage on pin 3 (from manual) is 3.5VDC, pin 8 is always 0V as it is tied directly to ground.
>
> If one substitutes the 6GJ5, G3 and cathode are tied together internally in the tube. Pin 8 is NC.
> Does it make a difference for the suppressor to be at cathode potential 3.5VDC (not GND) during Xmit (and 155VDC during receive) to the overall function of the PA?
>
>
> I do like the option though :)
> Mark
>
>
>
> On Thursday, February 8, 2018, 8:08:37 AM CST, Curt Nixon captcurt@... <mailto:captcurt@flash.net> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>
>
> Yep..
>
>

>
> On 02/07/18 6:47 PM, Jeffrey Angus jdangus@... <mailto:jdangus@...> [DrakeRadio] wrote:
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>> Interestingly, they list 6KM6 and 6JU6 as preferred substitutes.
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>> ground.This completely bypasses the cathode resistors, the
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43071. Re: [DrakeRadio] Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-13 18:06:15 UTC
From: Curt Nixon
Topic: 42927 Message: 43071

As Gary noted, the small cathode voltage on the suppressor is such a small percentage of the plate potential as to be a non-issue. That was not the concern. THe problem was if the tube had something connected internally to pin 8.

Curt KU8L

On 02/13/18 12:10 PM, MadScientist dukeshifi@... [DrakeRadio] wrote:
>
> Having successfully used 6GJ5 t tubes in numerous 6JB6 applications, I
> would suggest that there is no risk.
>
>
> Consider that the cathode is floating anyway during receive so no
> current flows in the tube if the suppressor is at 155 V.Since the
> suppressor and cathode are at the same potential, no current can flow
> between them.
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> The job of the suppressor is to collect secondary electrons that are
> emitted from the plate in response to high energy electrons from the
> cathode when they strike the plate (800 electron volts kinetic energy
> in this application). 3.5 volts change in the suppressor voltage (in
> transmit) will not change that.
>
> RF-wise, both the cathode and suppressor are at ground potential so no
> worries there either.
>
> Gary
>
>> On Feb 13, 2018, at 10:31 AM, Mark Alexander n9ppw@...
>> <mailto:n9ppw@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
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>> On the TR-4:
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>> Does it make a difference for the suppressor to be at cathode
>> potential 3.5VDC (not GND) during Xmit (and 155VDC during receive) to
>> the overall function of the PA?

>>
>>
>> I do like the option though :)
>> Mark
>>
>>
>>
>> On Thursday, February 8, 2018, 8:08:37 AM CST, Curt
>> Nixoncaptcurt@... <mailto:captcurt@...>[DrakeRadio]
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
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>>
>> Yep..
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>> On 02/07/18 6:47 PM, Jeffrey Angusjdangus@...
>> <mailto:jdangus@...>[DrakeRadio] wrote:
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>>> tied together at pin-3. Pin-8 specifically says "do not use."
>>> Hence the "Cut that pin off at the base of the tube" comments.
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>>> The reason for this is that in the T-4X pin-8 is tied to ground.
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>>> at the socket. Failure to do this will short the cathode directly to
>>> ground.This completely bypasses the cathode resistors, the
>>> meter shunt resistors and the plate meter.
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>

43072. Re: [DrakeRadio] Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-13 18:21:32 UTC
From: MadScientist
Topic: 42927 Message: 43072

>> THe problem was if the tube had something connected internally to pin 8.

It does not.

Gary

> On Feb 13, 2018, at 12:06 PM, Curt Nixon <captcurt@...> wrote:
>
> As Gary noted, the small cathode voltage on the suppressor is such a small percentage of the plate potential as to be a non-issue. That was not the concern. THe problem was if the tube had something connected internally to pin 8.
>
> Curt KU8L
>
> On 02/13/18 12:10 PM, MadScientist dukeshifi@... <mailto:dukeshifi@...> [DrakeRadio] wrote:
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>> RF-wise, both the cathode and suppressor are at ground potential so no worries there either.
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>> Gary
>>
>>> On Feb 13, 2018, at 10:31 AM, Mark Alexander n9ppw@... <mailto:n9ppw@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
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43073. Tr7; AM appears to work, SSB not so much

Yahoo group: DrakeRadio (2018)
Date: 2018-02-13 18:49:09 UTC
From: Ray Collins
Topic: 43073 Message: 43073

```
blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid
!important; padding-left:1ex !important; background-color:white !important; }
Don't you hate it when you go back to a unit and less of it is working than before. AM
shows wattage, SSB shows nothing even the green light isn't working. No reading in the
meter relay is active. Suggestions in where to look?
Thanks
Ray VE3BDK

Sent from Yahoo Mail for iPad
```

43074. Re: [DrakeRadio] Tr7; AM appears to work, SSB not so much

Yahoo group: DrakeRadio (2018)
Date: 2018-02-14 03:18:44 UTC
From: Jim Shorney
Topic: 43073 Message: 43074

Carrier insertion for AM follows a differnt path than SSB. Your problem could be anywhere between the MIC connector and the 2nd IF/Audio board. See the block diagram in the service manual. The first suspect is probably intermittent Molex connectors. Re-seating the boards usually cures this. Search the group archives for "Molexia". Another possibility is the mode switch needs cleaning.

73

-Jim
NU0C

On Tue, 13 Feb 2018 18:49:09 +0000 (UTC), Ray Collins raycollins39@...
[DrakeRadio] wrote:

> blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid !important; padding-left:1ex !important; background-color:white !important; }
>Don't you hate it when you go back to a unit and less of it is working than before. AM shows wattage, SSB shows nothing even the green light isn't working. No reading in the meter relay is active. Suggestions in where to look?
>Thanks
>Ray VE3BDK
>
--
?There?s something out of place ? let?s go and poke it with a stick.? ? The Doctor, "Amy?s Choice"

43075. Re: [DrakeRadio] Molexia

Yahoo group: DrakeRadio (2018)
Date: 2018-02-14 03:44:56 UTC
From: Jeffrey Angus
Topic: 43073 Message: 43075

On 2/13/18 9:18 PM, 'Jim Shorney' wrote:
> Search the group archives for "Molexia".
Back in the '90s when I was doing two-way radio field service.
I'd get sent out on a "It quit working call" and find a Motorola
Mitrek, Micor or a MSR2000 repeater/base.

Pop the covers and pull the channel elements. Squirt some
DeOxit on the board pins, the install/remove the channel
elements several times. Put it back together and "Presto!"
as Bullwinkle would say. It was working good as new again.

Molex connectors and the mating pins are available in gold
plated versions, but somewhere in an office back in Illinois,
There's some clown with a cost saving award on his wall and
a coffee cup on his desk that specified the tin plated version.

Much like the IBM Token Ring connector, I'm sure the people
responsible for this we're laughing like Hell when they turned
in their proposals. "This should be good for a few laughs."
<http://31nswfs3qg8193cz720t9481-wpengine.netdna-ssl.com/files/2017/04/500003040p-03-02.jpeg>

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43076. Re: PS-7 capacitors

Yahoo group: DrakeRadio (2018)
Date: 2018-02-14 14:47:33 UTC
From: wallydoc@...
Topic: 42948 Message: 43076

Max: I have recapped several linear amps with higher value caps. They all worked fine, Although I have recapped a Drake (should have never sold it), I don't remember if I had any issues with things fitting. I think everything fit just fine..
I am fairly sure the caps I used in the Drake were higher value, probably the same as yours.

It is my impression that somewhat higher values do work a little better, but that is just an opinion, You would expect new caps to work better than the old ones, regardless of the somewhat different values.
Harbach uses higher value caps in many of his kits, if I remember correctly, although I have never ordered a kit.
Issues with cap replacement include cheap faulty Chinese caps. Some people have reported problems. Lots of caps are mislabeled. Another issue is operating temp on the label.
I have used less expensive caps that I have tested at high voltage before installation and never had any problem.
Wally KC9INK

43077. Wanted external Speech Processor for my TR7 like a Drake SP-75, Daiwa RF-440 etc. email todd@toddsabin.com 73, Todd

Yahoo group: DrakeRadio (2018)
Date: 2018-02-14 19:44:23 UTC
From: todd
Topic: 43077 Message: 43077

Sent from my Galaxy Tab® A

43078. More on R-4A alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-14 20:21:45 UTC
From: hwfoglesong@...
Topic: 43078 Message: 43078

I am also struggling with alignment of an R-4A.

The radio, after cleanup, tube checking, work on the preselector mechanism, and other assorted things, appeared to be receiving signals quite well although the passband setup obviously needed some work. I adjusted the passband tuning knob to properly correspond to the position of the coils, but did not adjust the coils themselves at that time.

At this point, I decided to proceed through alignment, and that seemed to go reasonably well until I tried to do 5595 kc oscillator alignment. (yes, I also had trouble adjusting t-7 and t-10 to find a peak during 50 kc IF alignment).

During 5595 kc oscillator alignment, I found a zero beat with the signal generator at 5645 kc, but the voltage maximum occurred at 5641kc with the 50 percent voltage values at 5640kc and 5645 kc. As instructed I adjusted the signal generator to the midpoint of 5642.5 and attempted to zero beat the signal with C-61, the tuneable cap in the oscillator circuit. However, C-61 had NO EFFECT on the beat note.

I then checked the voltages and resistances on V3 (the 12be6 mixer) and found a couple of possible issues. First, the measured bias on the grid was only 3 volts, versus the spec of 11.5 volts. Second, the measured resistance on the grid was about 16k too high which would explain at least some of the low bias (I obviously need to replace R-10 to get the resistance back near 150k).

A couple of questions:

1. Does the midpoint of 5642kc reached during alignment seem reasonable or, as I suspect, have the oscillator issues pulled it out of bounds?

2. Is it likely that the bias / resistance issue would nullify the effect of c-61 while still allowing the oscillator to perform well enough to allow the receiver to work somewhat?

I am a relative novice with drake gear so any suggestions would be welcome.

Hank

43079. Check Up on Garey Barrell

Yahoo group: DrakeRadio (2018)
Date: 2018-02-14 21:27:19 UTC
From: Richard Knoppow
Topic: 43079 Message: 43079

I know someone on the list lives near Garey. He has not
posted for some time and doesn't answer personal e-mail. I wonder
if that person would check up on Garey. I know he has been ill
and would like to know how he is doing.
--
Richard Knoppow
1oldlens1@...
WB6KBL

43080. RE: [DrakeRadio] Check Up on Garey Barrell

Yahoo group: DrakeRadio (2018)
Date: 2018-02-14 21:46:50 UTC
From: Joe
Topic: 43079 Message: 43080

Richard, and All!

I just called Garey, but only got his answering machine. Left a message.

If I hear from him, or get any news, I will be sure to pass it along to the group!

I too, hope all is well with Garey.

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Check Up on Garey Barrell

I know someone on the list lives near Garey. He has not posted for some time and doesn't answer personal e-mail. I wonder if that person would check up on Garey. I know he has been ill and would like to know how he is doing.
--
Richard Knoppow
1oldlens1@...
WB6KBL

43081. Re: [DrakeRadio] Check Up on Garey Barrell

Yahoo group: DrakeRadio (2018)
Date: 2018-02-14 21:53:48 UTC
From: Richard Knoppow
Topic: 43079 Message: 43081

Thank you very much. I know he is going through a hard time.
Some of the questions we have gotten lately demonstrate just how
much we miss his expertise, plus he is a good guy.

On 2/14/2018 1:46 PM, Joe w7rkn.7@... [DrakeRadio] wrote:
> Richard, and All!
>
> I just called Garey, but only got his answering machine. Left a message.
>
> If I hear from him, or get any news, I will be sure to pass it along to the
> group!
>
> I too, hope all is well with Garey.
>
> Joe - W7RKN

--
Richard Knoppow
1oldlens1@...
WB6KBL

43082. Re: More on R-4A alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 02:45:27 UTC
From: garywinblad@...
Topic: 43078 Message: 43082

Hi Hank,
Hang in there! My R-4A is working great now, just needed alignment.
Not sure about your 5695 osc question. I have a T-4X and need to align C61 for it, I knew it was very close so left that step un-changed.

You might go back to the crystal filter match alignment and check that again. I went back to that step and re-did it.. somehow my first alignment was deficient, second time it fixed a lot
of problems! Unless the crystal filter has gone bad, it should peak very near 5645, I think.
Re-reading the instructions now, I see my possible problem. I DID have to un-wrap to kill the image frequency in step C-9... and then I did not go back and re-do steps 1-5. How "much adjustment" is relative I guess.

73,
Gary
WB6OGD

43083. TR-44B

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 02:39:01 UTC
From: ddean@...
Topic: 43083 Message: 43083

I just picked up a very good condition TR-44B. Never thought I would get hands on one of these! Not sure if there was ever a manual published on this by Drake. I have not seen one. Does anybody have a manual (if they exist), if not I need to at least find a T-4B manual? Any help would be appreciated.

Dale
AF7WH

43084. My T4xc 10khz below.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 11:05:43 UTC
From: Dondi
Topic: 43084 Message: 43084
Attachments: 1 described; binary payloads are missing from this source WARC

Dear friends of Drake,
My T4xc is transmitted from 8KHZ to 10KHZ BELOW ...

ANY SUGGESTION?

HI, WHEN I TURNED IT OFF AFTER THE LAST QSO WAS ALL OK ...
A WEEK STOPPED AND WHEN I CALLED ... I WINNED THIS SURPRISE!

--
73 & QRV!
* PY2TR*
* DONDI*.

* GG67RA*
[image: cid:21CA93CE-AC8F-4FA3-8151-4E18E044767E@...]

43085. Re/Drake TR5

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 12:44:09 UTC
From: Chgypsy@...
Topic: 43079 Message: 43085

Hello all,
I really am out of room.

Wondering what the interest would be on my (original buyer) TR5 with PS75 in the original boxes.
Has the 300 hz filter. DOES NOT have the NB. Purchased at the hamvention 1983.

MS 7 could be arranged, as well as a Kenwood MC50

Carl WD8NHK

43086. Re: [DrakeRadio] My T4xc 10khz below.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 15:18:48 UTC
From: Steve Wedge
Topic: 43084 Message: 43086

Dondi - is the frequency off using receiver and transmitter? Or just transmitter?

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Feb 15, 2018, at 06:05, Dondi py2tr.radio@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> Dear friends of Drake,
> My T4xc is transmitted from 8KHZ to 10KHZ BELOW ...
>
> ANY SUGGESTION?
>
> HI, WHEN I TURNED IT OFF AFTER THE LAST QSO WAS ALL OK ...
> A WEEK STOPPED AND WHEN I CALLED ... I WINNED THIS SURPRISE!
>
> --
> 73 & QRV!
> PY2TR
> DONDI.
> GG67RA
>
> <image001.jpg>
>
>

43087. Re: [DrakeRadio] TR-44B

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 16:02:25 UTC
From: VE7PS
Topic: 43083 Message: 43087

Hi Dale:

Congratulations on your find. The TR-44B, while pretty rare, seems to be the most common of the Drake Comm stations that were offered. I just finished restoring mine a few months ago.

I have seen sales brochures for them, but never a separate manual. T-4XB manuals, at least in the 16,000 serial # range, include the T-4 Reciter, and even show a picture of one on the front cover, and of course the R-4B manual covers the receiver part. Maybe Drake figured they didn't need a separate manual to cover the addition of the internal speaker?

73 and enjoy!

Peter
VE7PS

On 2/14/2018 6:39 PM, ddean@... [DrakeRadio] wrote:
>
> I just picked up a very good condition TR-44B. Never thought I would
> get hands on one of these! Not sure if there was ever a manual
> published on this by Drake. I have not seen one. Does anybody have a
> manual (if they exist), if not I need to at least find a T-4B manual?
> Any help would be appreciated.
>
> Dale
> AF7WH
>
>
>

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http://www.avg.com

43088. Re: [DrakeRadio] My T4xc 10khz below.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 19:30:01 UTC
From: Richard Knoppow
Topic: 43084 Message: 43088

Might be mechanical. Check the end points of the dial. I am
not an expert on the dial used on the T4XC and R4C but there are
others here who are and can advise on how to fix it if the
problem is there. On the B line the dials can get of line because
a gear has skipped a tooth but I am not sure about the C line.

On 2/15/2018 3:05 AM, Dondi py2tr.radio@... [DrakeRadio] wrote:
>
>
> Dear friends of Drake,
> My T4xc is transmitted from 8KHZ to 10KHZ BELOW ...
>
> ANY SUGGESTION?
>
> HI, WHEN I TURNED IT OFF AFTER THE LAST QSO WAS ALL OK ...
> A WEEK STOPPED AND WHEN I CALLED ... I WINNED THIS SURPRISE!
>
Richard Knoppow
1oldlens1@...
WB6KBL

43089. Re: My T4xc 10khz below.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 19:35:14 UTC
From: Dondi
Topic: 43084 Message: 43089
Attachments: 1 described; binary payloads are missing from this source WARC

is almost sure that the problem is not mechanical, because I turned the radio on 7190 and turned it on again in 7190 and when I realized it was 10khz below ...

2018-02-15 9:05 GMT-02:00 Dondi <py2tr.radio@...>:

> Dear friends of Drake,
> My T4xc is transmitted from 8KHZ to 10KHZ BELOW ...
>
> ANY SUGGESTION?
>
> HI, WHEN I TURNED IT OFF AFTER THE LAST QSO WAS ALL OK ...
> A WEEK STOPPED AND WHEN I CALLED ... I WINNED THIS SURPRISE!
>
> --
> 73 & QRV!
> * PY2TR*
> * DONDI*.
>
> * GG67RA*
> [image: cid:21CA93CE-AC8F-4FA3-8151-4E18E044767E@...]
>
>
>

--
73 & QRV!
* PY2TR*
* DONDI*.

* GG67RA*
[image: cid:21CA93CE-AC8F-4FA3-8151-4E18E044767E@...]

43090. Re: [DrakeRadio] My T4xc 10khz below.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 21:03:45 UTC
From: Steve Wedge
Topic: 43084 Message: 43090

If you've been doing anything mechanical with the dial, there's a very good chance that you will be able to easily get the frequency calibrated. Is the error the same on all bands?

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Thu, Feb 15, 2018 at 2:30 PM, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

> Might be mechanical. Check the end points of the dial. I am
> not an expert on the dial used on the T4XC and R4C but there are
> others here who are and can advise on how to fix it if the
> problem is there. On the B line the dials can get of line because
> a gear has skipped a tooth but I am not sure about the C line.
>
> On 2/15/2018 3:05 AM, Dondi py2tr.radio@... [DrakeRadio] wrote:
> >
> >
> > Dear friends of Drake,
> > My T4xc is transmitted from 8KHZ to 10KHZ BELOW ...
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> > ANY SUGGESTION?
> >
> > HI, WHEN I TURNED IT OFF AFTER THE LAST QSO WAS ALL OK ...
> > A WEEK STOPPED AND WHEN I CALLED ... I WINNED THIS SURPRISE!
> >
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
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> Yahoo Groups Links
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43091. RE: [DrakeRadio] TR-44B

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 21:07:02 UTC
From: Dale Dean
Topic: 43083 Message: 43091

Peter,

I thought you might respond to this. Good to hear from you again. I read with some interest the archive posts from 2013 from you on the subject of TR44, TR44B and TR44C differences as well as the CA-1 kit to mount various lines together. This one has the actual T4B with an R4B. The cabinet however does not have the TR44B label on the side. Maybe was lost or removed over the years or perhaps I have a unit that was originally a separate T4B and R4B with a CA-1 kit. I'll send you a couple of pictures later tonight to take a look at to see if you can tell what I have. If I remember correctly, it was stated that nearly all T4B's were part of the TR44B and not sold as a standalone unit.

73
Dale
AF7WH

From: VE7PS [mailto:ve7ps@telus.net]
Sent: Thursday, February 15, 2018 8:02 AM
To: DrakeRadio@yahoogroups.com; Dale Dean <ddean@hecla-mining.com>
Subject: Re: [DrakeRadio] TR-44B

Hi Dale:

Congratulations on your find. The TR-44B, while pretty rare, seems to be the most common of the Drake Comm stations that were offered. I just finished restoring mine a few months ago.

I have seen sales brochures for them, but never a separate manual. T-4XB manuals, at least in the 16,000 serial # range, include the T-4 Reciter, and even show a picture of one on the front cover, and of course the R-4B manual covers the receiver part. Maybe Drake figured they didn't need a separate manual to cover the addition of the internal speaker?

73 and enjoy!

Peter
VE7PS
On 2/14/2018 6:39 PM, ddean@hecla-mining.com<mailto:ddean@hecla-mining.com> [DrakeRadio] wrote:

I just picked up a very good condition TR-44B. Never thought I would get hands on one of these! Not sure if there was ever a manual published on this by Drake. I have not seen one. Does anybody have a manual (if they exist), if not I need to at least find a T-4B manual? Any help would be appreciated.

Dale
AF7WH

[https://ipmcdn.avast.com/images/icons/icon-envelope-tick-green-avg-v1.png]<http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>

Virus-free. www.avg.com<http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>

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43092. Re: [DrakeRadio] Re: My T4xc 10khz below.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 21:10:02 UTC
From: Richard Knoppow
Topic: 43084 Message: 43092

Check the output frequency of the VFO, it should be from 4955
Khz to 5455 Khz. If the range is different the problem is the
VFO. However, make sure the VFO end points are being set by the
dial mechanism. There isn't anything in the handbook about this
but there is considerable in the archives of the list and at
http://www.wb4hfn.com/DRAKE/DrakePageHome.htm
particularly
http://www.wb4hfn.com/DRAKE/DrakeArticles/PTO/Drake_PTO.htm
and
http://www.wb4hfn.com/DRAKE/DrakeArticles/Drake_PTO_Grounding.html
and
http://www.wb4hfn.com/DRAKE/DrakeArticles/TechTips/PTO-Repair.htm
and
http://www.wb4hfn.com/DRAKE/DrakeArticles/TechTips/BushingRepair.htm

At least some stuff to start with if the problem seems to be
the PTO.
The amount of shift is not related to any of the conversion
oscillators in the rig. Nor is it due to a band crystal unless it
occurs on only one band. Maybe not the PTO but it seems to me it
makes sense it is.

On 2/15/2018 11:35 AM, Dondi py2tr.radio@... [DrakeRadio]
wrote:
>
>
> is almost sure that the problem is not mechanical, because I
> turned the radio on 7190 and turned it on again in 7190 and when
> I realized it was 10khz below ...
Richard Knoppow
1oldlens1@...
WB6KBL

43093. Garey Barrell?

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 21:10:46 UTC
From: Barry
Topic: 43093 Message: 43093

Anyone ever hear back from Garey?

Thanks,
Barry - N4BUQ

43094. Drake 2B For Sale (Shortly)

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 20:56:36 UTC
From: k3jls@...
Topic: 43094 Message: 43094

Hello folks,

Now that the Drake 2B DFD-2 conversion has been completed, I'll be selling the radio to make desk space for another DFD-2 conversion - probably the FT-101, Allied AX-190, Heathkit HW-16, Kenwood TS-520 - or something like that - not sure at this time.

I've updated the power supply with Hayseed Hamfest electrolytics, added an aftermarket calibrator and aligned the radio.

It has crystals for 40, 20, 15 meters, and will also work on 28.0 and 28.5 Mhz.

If anyone is interested, please contact me off-net. However, I won't be able to sell it until my 25 Mhz crystal comes from Florida.

73's - Joe - K3JLS

43095. Re: [DrakeRadio] TR-44B

Yahoo group: DrakeRadio (2018)
Date: 2018-02-15 22:26:40 UTC
From: VE7PS
Topic: 43083 Message: 43095

Just for the record....

It looks as though Drake DID make a separate manual for the T-4B reciter, though perhaps not for any the TR-44 series as a combo in one manual.

To the T-4 Reciter, the T-4B added a "fixed transmit" frequency deck for 10 xtals and a front panel switch for that deck, and a front panel speaker similar to that in the RV-4 remote VFO.

https://www.universal-radio.com/catalog/commrxvr/t4b.html

https://www.ebay.com/itm/RL-Drake-T-4B-ORIGINAL-Instruction-Manual/161763954371?_trkparms=aid%3D222007%26algo%3DSIM.MBE%26ao%3D2%26asc%3D48419%26meid%3Db51142d7ff61437ca51c0f5ba9e450b8%26pid%3D100005%26rk%3D2%26rkt%3D12%26sd%3D161763954367%26itm%3D161763954371&_trksid=p2047675.c100005.m1851

73
Peter
VE7PS

On 2/15/2018 8:02 AM, VE7PS ve7ps@... [DrakeRadio] wrote:
>
> Hi Dale:
>
> Congratulations on your find. The TR-44B, while pretty rare, seems to
> be the most common of the Drake Comm stations that were offered. I
> just finished restoring mine a few months ago.
>
> I have seen sales brochures for them, but never a separate manual.
> T-4XB manuals, at least in the 16,000 serial # range, include the T-4
> Reciter, and even show a picture of one on the front cover, and of
> course the R-4B manual covers the receiver part. Maybe Drake figured
> they didn't need a separate manual to cover the addition of the
> internal speaker?
>
> 73 and enjoy!
>
> Peter
> VE7PS
>
> On 2/14/2018 6:39 PM, ddean@... [DrakeRadio] wrote:
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>> I just picked up a very good condition TR-44B. Never thought I would
>> get hands on one of these! Not sure if there was ever a manual
>> published on this by Drake. I have not seen one. Does anybody have

>> a manual (if they exist), if not I need to at least find a T-4B
>> manual? Any help would be appreciated.
>>
>> Dale
>> AF7WH
>>
>>
>
>
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
> Virus-free. www.avg.com
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
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> <#DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
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http://www.avg.com

43096. 6146 finals conversion opinions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 11:55:33 UTC
From: johng101501@...
Topic: 43096 Message: 43096

I myself do not care to change what already works but I was wondering if any of the group has done any testing with the 6146. I know they are a more robust tube, but is it worth the effort.

43097. Re: [DrakeRadio] 6146 finals conversion opinions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 13:52:43 UTC
From: Steve Wedge
Topic: 43096 Message: 43097

It is semi-major surgery but I’ve seen pictures of conversions that came out well. Check on WB4HFN’s page - I believe there’s an article there.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Feb 16, 2018, at 06:55, johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I myself do not care to change what already works but I was wondering if any of the group has done any testing with the 6146. I know they are a more robust tube, but is it worth the effort.
>
>

43098. Re: [DrakeRadio] 6146 finals conversion opinions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 14:15:09 UTC
From: Bob Maser
Topic: 43096 Message: 43098

Just learn how to tune the radio and you will never have to worry about
blowing up
the 6JB6's. I have been running Drake trash since the early 70's and yet
to blow
a final tube up.
Bob W6TR

On Fri, Feb 16, 2018 at 6:55 AM, johng101501@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> I myself do not care to change what already works but I was wondering if
> any of the group has done any testing with the 6146. I know they are a more
> robust tube, but is it worth the effort.
>
>
>

43099. Re: [DrakeRadio] 6146 finals conversion opinions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 14:29:53 UTC
From: johng101501@...
Topic: 43096 Message: 43099

I guess I never have “blown up” a final tube either it was aimed at the point where the finals become rare and expensive enough to warrant replacement in something other than a restoration piece , moreover just a user radio.

43100. Re: [DrakeRadio] T4X Problems

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 14:40:18 UTC
From: johng101501@...
Topic: 42553 Message: 43100

Joe, that was exactly what was wrong with mine, the silver mica design is pretty reliable, it replaced it with a ceramic

43101. Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 19:42:27 UTC
From: wendy101@...
Topic: 43101 Message: 43101

The shippers con game, yes they have it all figured out in their favor and you the seller are going to be the loser. Let me give you an example and explain more. This is about Fedex, UPS, USPS and all others to the best of my knowledge.

Example:
You sell an item for $400 plus $50 shipping, the going price. The buyer pays you. The shipper damages the item beyond repair or loses it. If you have say $150 of insurance you take a loss of $300, $250 if they refund you the shipping cost. But wait, the seller paid you $450! Now you have to refund him the $450. A total loss to you of $700 to $750, because you should have made $400. What I've just described is a shippers con game. Even if you had $450 of insurance, you would still have to refund the $450 to the buyer and you have nothing. The item is gone, a total loss to the seller.

I don't believe the sellers should have to take the fall for the shippers mistakes. The shippers know the average person is not going to take them to court. My guess is in the fine print, that the shippers agree to only be liable for the insured amount. They will usually ask you what is the VALUE of the item being shipped, not what it will cost you should the item get lost or damaged beyond repair.

So what is the item worth when you ship it? It is worth what you sold it for + what the buyer paid you that you will have to refund to him + the shipping + the additional cost of insuring the item. You see my point!

So in the above example the insured value should be: The $400 for the item + the $50 for shipping + the $450 the buyer paid you that you will have to refund to him if the item is lost or damaged + the cost in insuring the item for $900. You could also add more to the value if you paid to have it boxed or had to drive a ways to the shipper for your time and gas. So you see your $400 item just became worth more than $900 in value when the shipper asks you for it's value.

You should tell the buyer you are going to insure the item for an amount that will cover ALL losses, yours and his should something happen to it. I would also pass on the extra cost of insuring the item to the buyer in my selling price.

Hope this will help you make better choices when selling and shipping items.

Al, n7ioh
Payson, AZ, USA

43102. Behringer Shark & TR7

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 19:56:30 UTC
From: <todd@...>
Topic: 43102 Message: 43102

I was wondering if anyone in the group has connected a?Behringer Shark to a TR7 and if so how it worked out. I have heard of it being used on a TR4.? 73,? Todd? K1TOD? ?email:? todd@...

43103. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 20:05:48 UTC
From: Richard Knoppow
Topic: 43101 Message: 43103

Hold on, this sounds like it make sense but I think there is
a flaw in it. Lets take an example: Suppose I sell something for
$500, I add $50 for shipping for a total of $550. The buyer pays
me. The item is insured for full value and shipping costs. The
shipper destroys the item. Who collects the insurance? If the
buyer he gets his $550 back from the insurance company. If I
collect I return the buyer's $550 but collect the returned $550
in insurance, so both buyer and seller are whole in either case
and the total from the insurance company is $550. Who files the
claim and collects depends on the insurance policy.

On 2/16/2018 11:42 AM, wendy101@... [DrakeRadio] wrote:
>
>
> The shippers con game, yes they have it all figured out in their
> favor and you the seller are going to be the loser.? Let me give
> you an example and explain more.? This is about Fedex, UPS, USPS
> and all others to the best of my knowledge.
>
>
> Example:
>
>
> You sell an item for $400 plus $50 shipping, the going
> price. The buyer pays you. The shipper damages the item
> beyond repair or loses it. If you have say $150 of
> insurance you take a loss of $300, $250 if they refund you
> the shipping cost.? But wait, the seller paid you $450! Now
> you have to refund him the $450.? A total loss to you of
> $700 to $750, because you should have made $400. What I've
> just described is a shippers con game.? Even if you had
> $450 of insurance, you would still have to refund the $450
> to the buyer and you have nothing. ? The item is gone, a
> total loss to the seller.
>
> I don't believe the sellers should have to take the fall
> for the shippers mistakes. The shippers know the average
> person is not going to take them to court.? My guess is in
> the fine print, that the shippers agree to only be liable
> for the insured amount.? They will usually ask you what is
> the VALUE of the item being shipped, not what it will cost
> you should the item get lost or damaged beyond repair.
>
>
>

> So what is the item worth when you ship it?? It is worth
> what you sold it for + what the buyer paid you that you
> will have to refund to him + the shipping + the additional
> cost of insuring the item. You see my point!
>
>
>
> So in the above example the insured value should be:? The
> $400 for the item + the $50 for shipping + the $450 the
> buyer paid you that you will have to refund to him if the
> item is lost or damaged + the cost in insuring the item for
> $900.? You could also add more to the value if you paid to
> have it boxed or had to drive a ways to the shipper for
> your time and gas.? So you see your $400 item just became
> worth more than $900 in value when the shipper asks you for
> it's value.
>
>
> You should tell the buyer you are going to insure the item for an
> amount that will cover ALL losses, yours and his should something
> happen to it.? I would also pass on the extra cost of insuring
> the item to the buyer in my selling price.
>
>
> Hope this will help you make better choices when selling and
> shipping items.
>
>
> Al, n7ioh
>
> Payson, AZ, USA

--
Richard Knoppow
1oldlens1@...
WB6KBL

43104. RE: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 20:19:21 UTC
From: Bob Novas
Topic: 43101 Message: 43104

ummm. if the buyer paid you $450, and you give it back to him, you’re don’t need $450 insurance money to cover that -- it’s a wash. You need to insure the value of the item, the cost of shipping, and, if you’re going down that route, the $50 profit that you should have but didn’t make. So, 450-500 insurance covers you. Not $900. That’s a red herring. Bob. W3Dk

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Friday, February 16, 2018 2:42 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Off Topic: The Shippers Con Game

The shippers con game, yes they have it all figured out in their favor and you the seller are going to be the loser. Let me give you an example and explain more. This is about Fedex, UPS, USPS and all others to the best of my knowledge.

Example:

You sell an item for $400 plus $50 shipping, the going price. The buyer pays you. The shipper damages the item beyond repair or loses it. If you have say $150 of insurance you take a loss of $300, $250 if they refund you the shipping cost. But wait, the seller paid you $450! Now you have to refund him the $450. A total loss to you of $700 to $750, because you should have made $400. What I've just described is a shippers con game. Even if you had $450 of insurance, you would still have to refund the $450 to the buyer and you have nothing. The item is gone, a total loss to the seller.

I don't believe the sellers should have to take the fall for the shippers mistakes. The shippers know the average person is not going to take them to court. My guess is in the fine print, that the shippers agree to only be liable for the insured amount. They will usually ask you what is the VALUE of the item being shipped, not what it will cost you should the item get lost or damaged beyond repair.

So what is the item worth when you ship it? It is worth what you sold it for + what the buyer paid you that you will have to refund to him + the shipping + the additional cost of insuring the item. You see my point!

So in the above example the insured value should be: The $400 for the item + the $50 for shipping + the $450 the buyer paid you that you will have to refund to him if the item is lost or damaged + the cost in insuring the item for $900. You could also add more to the value if you paid to have it boxed or had to drive a ways to the shipper for your time and gas. So you see your $400 item just became worth more than $900 in value when the shipper asks you for it's value.

You should tell the buyer you are going to insure the item for an amount that will cover ALL losses, yours and his should someth ing happen to it. I would also pass on the extra cost of insuring the item to the buyer in my selling price.

Hope this will help you make better choices when selling and shipping items.

Al, n7ioh

Payson, AZ, USA

43105. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 20:23:52 UTC
From: AL
Topic: 43101 Message: 43105

Yes, YOU would get the $550 back because you insured it.? Now you give the $550 back to the buyer, so he is not out any money.? But the item you sold for $500 you no longer have, it's gone and so is the money you were going to get for it.

Al, n7ioh

On 02/16/2018 01:05 PM, Richard Knoppow wrote:
> Hold on, this sounds like it make sense but I think there is a flaw in
> it. Lets take an example: Suppose I sell something for $500, I add $50
> for shipping for a total of $550. The buyer pays me. The item is
> insured for full value and shipping costs. The shipper destroys the
> item. Who collects the insurance? If the buyer he gets his $550 back
> from the insurance company. If I collect I return the buyer's $550 but
> collect the returned $550 in insurance, so both buyer and seller are
> whole in either case and the total from the insurance company is $550.
> Who files the claim and collects depends on the insurance policy.
>
> On 2/16/2018 11:42 AM, wendy101@... [DrakeRadio] wrote:
>>
>>
>> The shippers con game, yes they have it all figured out in their
>> favor and you the seller are going to be the loser.? Let me give you
>> an example and explain more.? This is about Fedex, UPS, USPS and all
>> others to the best of my knowledge.
>>
>>
>> ????? Example:
>>
>>
>> ????? You sell an item for $400 plus $50 shipping, the going
>> ????? price. The buyer pays you. The shipper damages the item
>> ????? beyond repair or loses it. If you have say $150 of
>> ????? insurance you take a loss of $300, $250 if they refund you
>> ????? the shipping cost.? But wait, the seller paid you $450! Now
>> ????? you have to refund him the $450.? A total loss to you of
>> ????? $700 to $750, because you should have made $400. What I've
>> ????? just described is a shippers con game.? Even if you had
>> ????? $450 of insurance, you would still have to refund the $450
>> ????? to the buyer and you have nothing. ? The item is gone, a
>> ????? total loss to the seller.
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>> ????? I don't believe the sellers should have to take the fall
>> ????? for the shippers mistakes. The shippers know the average
>> ????? person is not going to take them to court.? My guess is in

>> ????? the fine print, that the shippers agree to only be liable
>> ????? for the insured amount.? They will usually ask you what is
>> ????? the VALUE of the item being shipped, not what it will cost
>> ????? you should the item get lost or damaged beyond repair.
>>
>>
>>
>> ????? So what is the item worth when you ship it?? It is worth
>> ????? what you sold it for + what the buyer paid you that you
>> ????? will have to refund to him + the shipping + the additional
>> ????? cost of insuring the item. You see my point!
>>
>>
>>
>> ????? So in the above example the insured value should be:? The
>> ????? $400 for the item + the $50 for shipping + the $450 the
>> ????? buyer paid you that you will have to refund to him if the
>> ????? item is lost or damaged + the cost in insuring the item for
>> ????? $900.? You could also add more to the value if you paid to
>> ????? have it boxed or had to drive a ways to the shipper for
>> ????? your time and gas.? So you see your $400 item just became
>> ????? worth more than $900 in value when the shipper asks you for
>> ????? it's value.
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>>
>> You should tell the buyer you are going to insure the item for an
>> amount that will cover ALL losses, yours and his should something
>> happen to it.? I would also pass on the extra cost of insuring the
>> item to the buyer in my selling price.
>>
>>
>> Hope this will help you make better choices when selling and shipping
>> items.
>>
>>
>> Al, n7ioh
>>
>> Payson, AZ, USA
>
>

43106. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 20:48:56 UTC
From: AL
Topic: 43101 Message: 43106

OK, Sorry I goofed that one up didn't I. You guys are right. The older I get the more I seem to make these silly mistakes.

Al, n7ioh

On 02/16/2018 01:19 PM, Bob Novas wrote:
>
> ummm. if the buyer paid you $450, and you give it back to him, you’re don’t need $450 insurance money to cover that -- it’s a wash. You need to insure the value of the item, the cost of shipping, and, if you’re going down that route, the $50 profit that you should have but didn’t make. So, 450-500 insurance covers you. Not $900. That’s a red herring. Bob. W3Dk
>
> *From:*DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> *Sent:* Friday, February 16, 2018 2:42 PM
> *To:* DrakeRadio@yahoogroups.com
> *Subject:* [DrakeRadio] Off Topic: The Shippers Con Game
>
> The shippers con game, yes they have it all figured out in their favor and you the seller are going to be the loser. Let me give you an example and explain more. This is about Fedex, UPS, USPS and all others to the best of my knowledge.
>
>
> Example:
>
>
> You sell an item for $400 plus $50 shipping, the going price. The buyer pays you. The shipper damages the item beyond repair or loses it. If you have say $150 of insurance you take a loss of $300, $250 if they refund you the shipping cost. But wait, the seller paid you $450! Now you have to refund him the $450. A total loss to you of $700 to $750, because you should have made $400. What I've just described is a shippers con game. Even if you had $450 of insurance, you would still have to refund the $450 to the buyer and you have nothing. The item is gone, a total loss to the seller.
>
> I don't believe the sellers should have to take the fall for the shippers mistakes. The shippers know the average person is not going to take them to court. My guess is in the fine print, that the shippers agree to only be liable for the insured amount. They will usually ask you what is the VALUEof the item being shipped, not what it will cost you should the item get

> lost or damaged beyond repair.
>
>
> So what is the item worth when you ship it? It is worth what
> you sold it for + what the buyer paid you that you will have to
> refund to him + the shipping + the additional cost of insuring
> the item. You see my point!
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> So in the above example the insured value should be: The $400
> for the item + the $50 for shipping + the $450 the buyer paid
> you that you will have to refund to him if the item is lost or
> damaged + the cost in insuring the item for $900. You could
> also add more to the value if you paid to have it boxed or had
> to drive a ways to the shipper for your time and gas. So you
> see your $400 item just became worth more than $900 in value
> when the shipper asks you for it's value.
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> You should tell the buyer you are going to insure the item for an
> amount that will cover ALL losses, yours and his should someth ing
> happen to it. I would also pass on the extra cost of insuring the
> item to the buyer in my selling price.
>
> Hope this will help you make better choices when selling and shipping
> items.
>
> Al, n7ioh
>
> Payson, AZ, USA
>
>
>

43107. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 20:53:14 UTC
From: Richard Knoppow
Topic: 43101 Message: 43107

You are counting twice. If you get the $550 from the
insurance company you also got another $550 from the buyer. You
return the buyer's money but still have the insurance money so
you are out nothing and the buyer is out nothing.
If the insurance is such that its payed to the buyer you are
out nothing because you were paid by the buyer and he/she is out
nothing because the insurance compensates his/her loss.
In either case both sides are whole and only the insurance
company looses. That's sort of their business.
There is a famous mathematical puzzle based on this but I
can't remember what its called.

On 2/16/2018 12:23 PM, AL wrote:
> Yes, YOU would get the $550 back because you insured it.? Now you
> give the $550 back to the buyer, so he is not out any money.? But
> the item you sold for $500 you no longer have, it's gone and so
> is the money you were going to get for it.
>
> Al, n7ioh

--
Richard Knoppow
1oldlens1@...
WB6KBL

43108. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 20:57:33 UTC
From: Richard Knoppow
Topic: 43101 Message: 43108

I posted my second message before seeing this.
This is the effect anything having to do with insurance has
on people.

On 2/16/2018 12:48 PM, AL wendy101@... [DrakeRadio] wrote:
>
>
> OK, Sorry I goofed that one up didn't I.? You guys are right. The
> older I get the more I seem to make these silly mistakes.
>
> Al, n7ioh
>
>
> On 02/16/2018 01:19 PM, Bob Novas wrote:
>>
>> ummm. if the buyer paid you $450, and you give it back to him,
>> you?re don?t need $450 insurance money to cover that -- it?s a
>> wash.? You need to insure the value of the item, the cost of
>> shipping, and, if you?re going down that route, the $50 profit
>> that you should have but didn?t make.?? So, 450-500 insurance
>> covers you.? Not $900. That?s a red herring. Bob.? W3Dk

--
Richard Knoppow
1oldlens1@...
WB6KBL

43110. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 20:42:27 UTC
From: Thomas Hoyer
Topic: 43101 Message: 43110

If you paid $300 for the item, sold it for $400. Item gets lost, damaged, totaled, whatever.

You insured the package for $400. Refund from shipper is $400 going back to the buyer - you are out your original $300.....

Tom
W3TA

-----Original Message-----
From: 'Bob Novas' bob.novas@verizon..net [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; wendy101 <wendy101@...>
Sent: Fri, Feb 16, 2018 3:29 pm
Subject: RE: [DrakeRadio] Off Topic: The Shippers Con Game

ummm. if the buyer paid you $450, and you give it back to him, you’re don’t need $450 insurance money to cover that -- it’s a wash. You need to insure the value of the item, the cost of shipping, and, if you’re going down that route, the $50 profit that you should have but didn’t make. So, 450-500 insurance covers you. Not $900. That’s a red herring. Bob. W3Dk

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Friday, February 16, 2018 2:42 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Off Topic: The Shippers Con Game

The shippers con game, yes they have it all figured out in their favor and you the seller are going to be the loser. Let me give you an example and explain more. This is about Fedex, UPS, USPS and all others to the best of my knowledge.
Example:
You sell an item for $400 plus $50 shipping, the going price. The buyer pays you. The shipper damages the item beyond repair or loses it. If you have say $150 of insurance you take a loss of $300, $250 if they refund you the shipping cost. But wait, the seller paid you $450! Now you have to refund him the $450. A total loss to you of $700 to $750, because you should have made $400. What I've just described is a shippers con game. Even if you had $450 of insurance, you would still have to refund the $450 to the buyer and you have nothing. The item is gone, a total loss to the seller.

I don't believe the sellers should have to take the fall for the shippers mistakes.. The shippers know the average person is not going to take them to court. My guess is in the fine print, that the shippers agree to only be liable for the insured amount. They will usually ask you what is the VALUE of the item being shipped, not what it will cost you should the item get lost or damaged beyond repair.

So what is the item worth when you ship it? It is worth what you sold it for + what the buyer paid you that you will have to refund to him + the shipping + the additional cost of insuring the item. You see my point!

So in the above example the insured value should be: The $400 for the item + the $50 for shipping + the $450 the buyer paid you that you will have to refund to him if the item is lost or damaged + the cost in insuring the item for $900. You could also add more to the value if you paid to have it boxed or had to drive a ways to the shipper for your time and gas. So you see your $400 item just became worth more than $900 in value when the shipper asks you for it's value.

You should tell the buyer you are going to insure the item for an amount that will cover ALL losses, yours and his should someth ing happen to it. I would also pass on the extra cost of insuring the item to the buyer in my selling price.

Hope this will help you make better choices when selling and shipping items.

Al, n7ioh
Payson, AZ, USA

43111. Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 21:47:53 UTC
From: Steve Wedge
Topic: 43111 Message: 43111

I'll preface this with the fact that I did find the mic amp (12AX7) to be weak and I replaced it after my findings.

Playing with a TR-3, it's putting out not bad power on 80-20 (>150W), okay on 15 (about 100W) and pffft on 10 (under 100) on CW.

I connected a Drake 75 mic (I just got with my new-to-me TR-4CW) and barely moved the needle. Tried a crystal D-104 and got much more output (but still not up to CW level). Be careful with blaming mics! Once I replaced the 12AX7 things worked much more like I'd expect.

I do think that the D-104 is a much hotter mic. Also take care with using a D-104 with any of these rigs in that you'll probably need less gain. Of course, we all monitor our output, right?

73,

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

43112. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 21:49:37 UTC
From: Steve Wedge
Topic: 43101 Message: 43112

I'm not following this. Sounds like the three shells and the pea to me.

Shipper refunds the $400 to buyer. I got my $400 already. I'm out
nothing. Shipper paid for damage.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Fri, Feb 16, 2018 at 3:42 PM, Thomas Hoyer thoyer1@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> If you paid $300 for the item, sold it for $400. Item gets lost, damaged,
> totaled, whatever.
>
> You insured the package for $400. Refund from shipper is $400 going back
> to the buyer - you are out your original $300.....
>
> Tom
> W3TA
>
>
> -----Original Message-----
> From: 'Bob Novas' bob.novas@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>; wendy101 <wendy101@...>
> Sent: Fri, Feb 16, 2018 3:29 pm
> Subject: RE: [DrakeRadio] Off Topic: The Shippers Con Game
>
>
> ummm. if the buyer paid you $450, and you give it back to him, you’re
> don’t need $450 insurance money to cover that -- it’s a wash. You need to
> insure the value of the item, the cost of shipping, and, if you’re going
> down that route, the $50 profit that you should have but didn’t make. So,
> 450-500 insurance covers you. Not $900. That’s a red herring. Bob. W3Dk
>
> *From:* DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com
> <DrakeRadio@yahoogroups.com?>]
> *Sent:* Friday, February 16, 2018 2:42 PM
> *To:* DrakeRadio@yahoogroups.com
> *Subject:* [DrakeRadio] Off Topic: The Shippers Con Game
>
>
> The shippers con game, yes they have it all figured out in their favor and

> you the seller are going to be the loser. Let me give you an example and
> explain more. This is about Fedex, UPS, USPS and all others to the best of
> my knowledge.
> Example: You sell an item for $400 plus $50 shipping, the going price.
> The buyer pays you. The shipper damages the item beyond repair or loses
> it. If you have say $150 of insurance you take a loss of $300, $250 if
> they refund you the shipping cost. But wait, the seller paid you $450!
> Now you have to refund him the $450. A total loss to you of $700 to $750,
> because you should have made $400. What I've just described is a shippers
> con game. Even if you had $450 of insurance, you would still have to
> refund the $450 to the buyer and you have nothing. The item is gone, a
> total loss to the seller.
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> I don't believe the sellers should have to take the fall for the shippers
> mistakes. The shippers know the average person is not going to take them to
> court. My guess is in the fine print, that the shippers agree to only be
> liable for the insured amount. They will usually ask you what is the
> VALUE of the item being shipped, not what it will cost you should the
> item get lost or damaged beyond repair. So what is the item worth when
> you ship it? It is worth what you sold it for + what the buyer paid you
> that you will have to refund to him + the shipping + the additional cost of
> insuring the item. You see my point! So in the above example the insured
> value should be: The $400 for the item + the $50 for shipping + the $450
> the buyer paid you that you will have to refund to him if the item is lost
> or damaged + the cost in insuring the item for $900. You could also add
> more to the value if you paid to have it boxed or had to drive a ways to
> the shipper for your time and gas. So you see your $400 item just became
> worth more than $900 in value when the shipper asks you for it's value.
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> You should tell the buyer you are going to insure the item for an amount
> that will cover ALL losses, yours and his should someth ing happen to it..
> I would also pass on the extra cost of insuring the item to the buyer in my
> selling price.
>
> Hope this will help you make better choices when selling and shipping
> items.
>
> Al, n7ioh
> Payson, AZ, USA
>
>
>
>

43113. RE: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 22:24:05 UTC
From: thoyer
Topic: 43101 Message: 43113

Ignore my previous posting - this is what I get for trying to think after a long week..... Driving home it hit me that what I posted was flawed.

Sorry for the misinformation - climbing back into my hole now.....

Tom
W3TA

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Friday, February 16, 2018 3:42 PM
To: DrakeRadio@yahoogroups.com
Subject: Re: [DrakeRadio] Off Topic: The Shippers Con Game

If you paid $300 for the item, sold it for $400. Item gets lost, damaged, totaled, whatever.

You insured the package for $400. Refund from shipper is $400 going back to the buyer - you are out your original $300.....

Tom
W3TA

-----Original Message-----
From: 'Bob Novas' bob.novas@... [DrakeRadio]
<DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; wendy101 <wendy101@...>
Sent: Fri, Feb 16, 2018 3:29 pm
Subject: RE: [DrakeRadio] Off Topic: The Shippers Con Game

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From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com
<mailto:DrakeRadio@yahoogroups.com?>]
Sent: Friday, February 16, 2018 2:42 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Off Topic: The Shippers Con Game

The shippers con game, yes they have it all figured out in their favor and you the seller are going to be the loser. Let me give you an example and explain more. This is about Fedex, UPS, USPS and all others to the best of my knowledge.

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You should tell the buyer you are going to insure the item for an amount that will cover ALL losses, yours and his should someth ing happen to it.. I would also pass on the extra cost of insuring the item to the buyer in my selling price.

Hope this will help you make better choices when selling and shipping items.

Al, n7ioh
Payson, AZ, USA

43114. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 22:40:13 UTC
From: Macy monkeys
Topic: 43101 Message: 43114

Get the money from the buyer before you ship it. Insure the outgoing package. If it gets trashed, give the buyer his money back. File a claim and wait for the insurance money.

John K7FD

> On Feb 16, 2018, at 12:23 PM, AL wendy101@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Yes, YOU would get the $550 back because you insured it. Now you give
> the $550 back to the buyer, so he is not out any money. But the item
> you sold for $500 you no longer have, it's gone and so is the money you
> were going to get for it.
>
> Al, n7ioh
>
>
>> On 02/16/2018 01:05 PM, Richard Knoppow wrote:
>> Hold on, this sounds like it make sense but I think there is a flaw in
>> it. Lets take an example: Suppose I sell something for $500, I add $50
>> for shipping for a total of $550. The buyer pays me. The item is
>> insured for full value and shipping costs. The shipper destroys the
>> item. Who collects the insurance? If the buyer he gets his $550 back
>> from the insurance company. If I collect I return the buyer's $550 but
>> collect the returned $550 in insurance, so both buyer and seller are
>> whole in either case and the total from the insurance company is $550.
>> Who files the claim and collects depends on the insurance policy.
>>
>>> On 2/16/2018 11:42 AM, wendy101@... [DrakeRadio] wrote:
>>>
>>>
>>> The shippers con game, yes they have it all figured out in their
>>> favor and you the seller are going to be the loser. Let me give you
>>> an example and explain more. This is about Fedex, UPS, USPS and all
>>> others to the best of my knowledge.
>>>
>>>
>>> Example:
>>>
>>>
>>> You sell an item for $400 plus $50 shipping, the going
>>> price. The buyer pays you. The shipper damages the item
>>> beyond repair or loses it. If you have say $150 of
>>> insurance you take a loss of $300, $250 if they refund you
>>> the shipping cost. But wait, the seller paid you $450! Now
>>> you have to refund him the $450. A total loss to you of

>>> $700 to $750, because you should have made $400. What I've
>>> just described is a shippers con game. Even if you had
>>> $450 of insurance, you would still have to refund the $450
>>> to the buyer and you have nothing. The item is gone, a
>>> total loss to the seller.
>>>
>>> I don't believe the sellers should have to take the fall
>>> for the shippers mistakes. The shippers know the average
>>> person is not going to take them to court. My guess is in
>>> the fine print, that the shippers agree to only be liable
>>> for the insured amount. They will usually ask you what is
>>> the VALUE of the item being shipped, not what it will cost
>>> you should the item get lost or damaged beyond repair.
>>>
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>>>
>>> So what is the item worth when you ship it? It is worth
>>> what you sold it for + what the buyer paid you that you
>>> will have to refund to him + the shipping + the additional
>>> cost of insuring the item. You see my point!
>>>
>>>
>>>
>>> So in the above example the insured value should be: The
>>> $400 for the item + the $50 for shipping + the $450 the
>>> buyer paid you that you will have to refund to him if the
>>> item is lost or damaged + the cost in insuring the item for
>>> $900. You could also add more to the value if you paid to
>>> have it boxed or had to drive a ways to the shipper for
>>> your time and gas. So you see your $400 item just became
>>> worth more than $900 in value when the shipper asks you for
>>> it's value.
>>>
>>>
>>> You should tell the buyer you are going to insure the item for an
>>> amount that will cover ALL losses, yours and his should something
>>> happen to it. I would also pass on the extra cost of insuring the
>>> item to the buyer in my selling price.
>>>
>>>
>>> Hope this will help you make better choices when selling and shipping
>>> items.
>>>
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>>> Al, n7ioh
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>>> Payson, AZ, USA
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> Yahoo Groups Links
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43115. Re: 6146 finals conversion opinions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 22:58:59 UTC
From: edanie31@...
Topic: 43096 Message: 43115

The 6146A tube is going for about the same price as a 6JB6A. A 6GJ5, a drop in replacement in Drake gear, is going for about $8. Why would anyone in his right mind want to convert?

Eric
WK3B

43116. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 23:12:17 UTC
From: Steve Toth
Topic: 43101 Message: 43116

I went through this with an R390A that was damaged in shipment to me via UPS due to improper and inadequate packing by a UPS store.
UPS only deals with the shipper regarding insurance. I believe that is true for Fed X and others as well.
Ideally what John, K7FD, stated below would be the way things would work - but in my experience it's like pulling teeth to get the shipping company to pay up.
And to keep this Drake like - I have shipped my Drake twins to Ohio and back for maintenance using double boxing with hard foam between the boxes. Any other space is tightly packed with tightly wadded up newspaper. The carrier I used was Fed X ground. No problems at all shipping my Drakes this way.
NOTE: If your shipping radio gear that weighs over 75lbs, and double boxing using cardboard boxes, you have to use a double wall rated outer box (check the ink stamp on the exterior bottom) or the shipper will not pay on the insurance claim because they will say you shipped with an inadequate box and they are not liable.
P.S. Tom, W3TA, don't feel bad - we've all done it at one time or another - just a Homer Simpson moment. The thread has brought up some good discussion.
73
- Steve W7SJT
"Always look for a positive solution then Improvise, Adapt, and Overcome"- adaptation of the U.S. Marine Corps motto
"Every day is an opportunity to challenge the achievement of your dreams"
"Success is not final, failure is not fatal. It is the courage to continue that counts."- Winston Churchill

From: "Macy monkeys macymonkeys@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com; AL <wendy101@...>
Sent: Friday, February 16, 2018 2:40 PM
Subject: Re: [DrakeRadio] Off Topic: The Shippers Con Game

Get the money from the buyer before you ship it. Insure the outgoing package. If it gets trashed, give the buyer his money back. File a claim and wait for the insurance money.

John K7FD

> On Feb 16, 2018, at 12:23 PM, AL wendy101@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Yes, YOU would get the $550 back because you insured it. Now you give
> the $550 back to the buyer, so he is not out any money. But the item
> you sold for $500 you no longer have, it's gone and so is the money you
> were going to get for it.
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> Al, n7ioh
>
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>> it. Lets take an example: Suppose I sell something for $500, I add $50
>> for shipping for a total of $550. The buyer pays me. The item is
>> insured for full value and shipping costs. The shipper destroys the
>> item. Who collects the insurance? If the buyer he gets his $550 back
>> from the insurance company. If I collect I return the buyer's $550 but
>> collect the returned $550 in insurance, so both buyer and seller are
>> whole in either case and the total from the insurance company is $550.
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>>>
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>>> favor and you the seller are going to be the loser. Let me give you
>>> an example and explain more. This is about Fedex, UPS, USPS and all
>>> others to the best of my knowledge.
>>>
>>>
>>>   Example:
>>>
>>>
>>>   You sell an item for $400 plus $50 shipping, the going
>>>   price. The buyer pays you. The shipper damages the item
>>>   beyond repair or loses it. If you have say $150 of
>>>   insurance you take a loss of $300, $250 if they refund you
>>>   the shipping cost. But wait, the seller paid you $450! Now
>>>   you have to refund him the $450. A total loss to you of
>>> $700 to $750, because you should have made $400. What I've
>>>   just described is a shippers con game. Even if you had
>>> $450 of insurance, you would still have to refund the $450
>>>   to the buyer and you have nothing. The item is gone, a
>>>   total loss to the seller.
>>>
>>>   I don't believe the sellers should have to take the fall
>>>   for the shippers mistakes. The shippers know the average
>>>   person is not going to take them to court. My guess is in
>>>   the fine print, that the shippers agree to only be liable
>>>   for the insured amount. They will usually ask you what is
>>>   the VALUE of the item being shipped, not what it will cost
>>>   you should the item get lost or damaged beyond repair.
>>>
>>>
>>>
>>>   So what is the item worth when you ship it? It is worth
>>>   what you sold it for + what the buyer paid you that you
>>>   will have to refund to him + the shipping + the additional
>>>   cost of insuring the item. You see my point!
>>>
>>>

>>>
>>>   So in the above example the insured value should be: The
>>> $400 for the item + the $50 for shipping + the $450 the
>>>   buyer paid you that you will have to refund to him if the
>>>   item is lost or damaged + the cost in insuring the item for
>>> $900. You could also add more to the value if you paid to
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>>>   your time and gas. So you see your $400 item just became
>>>   worth more than $900 in value when the shipper asks you for
>>>   it's value.
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>>> You should tell the buyer you are going to insure the item for an
>>> amount that will cover ALL losses, yours and his should something
>>> happen to it. I would also pass on the extra cost of insuring the
>>> item to the buyer in my selling price.
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>>> Hope this will help you make better choices when selling and shipping
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Posted by: Macy monkeys <macymonkeys@...>

Yahoo Groups Links

43117. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 23:19:58 UTC
From: blumu
Topic: 43101 Message: 43117

Interesting variant on a known conundrum!

"...But the item you sold for $500 you no longer have,
it's gone and so is the money you were going to get for it." (Al)

1. Seller gains 550 from buyer.
2. Item is lost.
3. Seller refunds 550 to buyer.
4. You are both back to square one.
5. Item lost, but in lieu you receive insured amount from insurer,
based on declared value insured.
6. Depending on the terms agreed, you might have lost
the insurance premium, but no more.

John is right, as is Richard - see below.

Moral of the story : think twice before selling
anything as valuable as a Drake :-)

Michael 2e0ihw

On Freitag, 16. 02 18 22:40, Macy monkeys macymonkeys@...
[DrakeRadio] wrote:
> Get the money from the buyer before you ship it. Insure the outgoing
> package. If it gets trashed, give the buyer his money back. File a claim
> and wait for the insurance money.
>
> John K7FD
.....
>
> > On Feb 16, 2018, at 12:23 PM, AL wendy101@... [DrakeRadio]
> <DrakeRadio@yahoogroups.com> wrote:
> >
> > Yes, YOU would get the $550 back because you insured it. Now you give
> > the $550 back to the buyer, so he is not out any money. But the item
> > you sold for $500 you no longer have, it's gone and so is the money you
> > were going to get for it.
> >
> > Al, n7ioh
.....
> >> On 02/16/2018 01:05 PM, Richard Knoppow wrote:

> >> Hold on, this sounds like it make sense but I think there is a flaw in
> >> it. Lets take an example: Suppose I sell something for $500, I add $50
> >> for shipping for a total of $550. The buyer pays me. The item is
> >> insured for full value and shipping costs. The shipper destroys the

> >> item. Who collects the insurance? If the buyer he gets his $550 back
> >> from the insurance company. If I collect I return the buyer's $550 but
> >> collect the returned $550 in insurance, so both buyer and seller are
> >> whole in either case and the total from the insurance company is $550.
> >> Who files the claim and collects depends on the insurance policy.

43118. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-16 23:40:19 UTC
From: Evan
Topic: 43101 Message: 43118

Based upon my experience with shipping companies, it is the shipping individual that has a "contract" with the carrier and thus it is their responsibility for filing a claim for stolen ("lost" in the vocabulary of the shipping companies) or damaged merchandise.

On another note, it does pay to look at the fine print at the respective shipping company's website. BUT do be careful. Why? Based upon personal experience, one may or may not be able to have a claim honored for a damaged vacuum tube. I returned two 3-500Z tubes to a gentleman for which I serviced his Drake linear. One of the tubes was damaged as evidenced by the bent "rod" and plate structure/fins, and the other had loose metal filings floating loose inside the glass envelope. Both tubes were in Eimac boxes, and then packed within yet another box with adequate packing. While the box was not punctured, it was obvious that the tubes had been subjected to extreme G forces. Here's where it gets interesting.

When I looked at the shipping company's website it documented what items could not be insured, x-ray tubes and a few other exotic items were listed but NOT vacuum tubes in general. However, when you went to the part of their website dealing with filing a claim, vacuum tubes were indeed listed. So you have to look at both places to see what is or is not insurable. Fortunately, my local shipping agent went to bat for me, as well as the recipient whose company had a corporate account with the shipping company. The claim was settled to my satisfaction, as well as the recipient's, but it took some research, submitting documentation, multiple emails, etc. etc.

Obviously, I can't attest to the motivation of the shipping company for this confusing state of affairs that is biased in their favor with confusing documentation.

73,

Evan, K9SQG

43120. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 00:33:19 UTC
From: Macy monkeys
Topic: 43101 Message: 43120

This is why more and more gear, unfortunately, is being sold as 'pick up only.'

John K7FD

> On Feb 16, 2018, at 3:19 PM, blumu blumu@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:
>
> Interesting variant on a known conundrum!
>
> "...But the item you sold for $500 you no longer have,
> it's gone and so is the money you were going to get for it." (Al)
>
> 1. Seller gains 550 from buyer.
> 2. Item is lost.
> 3. Seller refunds 550 to buyer.
> 4. You are both back to square one.
> 5. Item lost, but in lieu you receive insured amount from insurer,
> based on declared value insured.
> 6. Depending on the terms agreed, you might have lost
> the insurance premium, but no more.
>
> John is right, as is Richard - see below.
>
> Moral of the story : think twice before selling
> anything as valuable as a Drake :-)
>
> Michael 2e0ihw
> ----------
>
> On Freitag, 16. 02 18 22:40, Macy monkeys macymonkeys@...
> [DrakeRadio] wrote:
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>> package. If it gets trashed, give the buyer his money back. File a claim
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>> John K7FD
> .....
>>
>>> On Feb 16, 2018, at 12:23 PM, AL wendy101@... [DrakeRadio]
>> <DrakeRadio@yahoogroups.com> wrote:
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>>> Yes, YOU would get the $550 back because you insured it. Now you give
>>> the $550 back to the buyer, so he is not out any money. But the item
>>> you sold for $500 you no longer have, it's gone and so is the money you
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>>>> On 02/16/2018 01:05 PM, Richard Knoppow wrote:
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43121. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 00:47:16 UTC
From: Steve Wedge
Topic: 43101 Message: 43121

I was assuming that I had got the money from the buyer. Perhaps that’s my lapse: I don’t ship until I’ve been paid.

The horse is now officially dead.

Long live the horse.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Feb 16, 2018, at 18:12, Steve Toth stoth47@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I went through this with an R390A that was damaged in shipment to me via UPS due to improper and inadequate packing by a UPS store.
>
> UPS only deals with the shipper regarding insurance. I believe that is true for Fed X and others as well.
>
> Ideally what John, K7FD, stated below would be the way things would work - but in my experience it's like pulling teeth to get the shipping company to pay up.
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> And to keep this Drake like - I have shipped my Drake twins to Ohio and back for maintenance using double boxing with hard foam between the boxes. Any other space is tightly packed with tightly wadded up newspaper. The carrier I used was Fed X ground. No problems at all shipping my Drakes this way.
>
> NOTE: If your shipping radio gear that weighs over 75lbs, and double boxing using cardboard boxes, you have to use a double wall rated outer box (check the ink stamp on the exterior bottom) or the shipper will not pay on the insurance claim because they will say you shipped with an inadequate box and they are not liable.
>
> P.S. Tom, W3TA, don't feel bad - we've all done it at one time or another - just a Homer Simpson moment. The thread has brought up some good discussion.
>
> 73
>
> - Steve W7SJT
>
> "Always look for a positive solution then Improvise, Adapt, and Overcome"
> - adaptation of the U.S. Marine Corps motto
>
> "Every day is an opportunity to challenge the achievement of your dreams"
>
> "Success is not final, failure is not fatal. It is the courage to continue that counts."

> - Winston Churchill
>
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> From: "Macy monkeys macymonkeys@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com; AL <wendy101@...>
> Sent: Friday, February 16, 2018 2:40 PM
> Subject: Re: [DrakeRadio] Off Topic: The Shippers Con Game
>
> Get the money from the buyer before you ship it. Insure the outgoing package. If it gets trashed, give the buyer his money back. File a claim and wait for the insurance money.
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> John K7FD
>
> > On Feb 16, 2018, at 12:23 PM, AL wendy101@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
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> > Yes, YOU would get the $550 back because you insured it. Now you give
> > the $550 back to the buyer, so he is not out any money. But the item
> > you sold for $500 you no longer have, it's gone and so is the money you
> > were going to get for it.
> >
> > Al, n7ioh
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> >
> >> On 02/16/2018 01:05 PM, Richard Knoppow wrote:
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> >> insured for full value and shipping costs. The shipper destroys the
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> >> whole in either case and the total from the insurance company is $550.
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> >>> On 2/16/2018 11:42 AM, wendy101@... [DrakeRadio] wrote:
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> >>> Example:
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> >>>
> >>> You sell an item for $400 plus $50 shipping, the going
> >>> price. The buyer pays you. The shipper damages the item
> >>> beyond repair or loses it. If you have say $150 of
> >>> insurance you take a loss of $300, $250 if they refund you
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> >>> you have to refund him the $450. A total loss to you of
> >>> $700 to $750, because you should have made $400. What I've
> >>> just described is a shippers con game. Even if you had
> >>> $450 of insurance, you would still have to refund the $450
> >>> to the buyer and you have nothing. The item is gone, a
> >>> total loss to the seller.
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> >>> I don't believe the sellers should have to take the fall
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> >>> the fine print, that the shippers agree to only be liable
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> >>> So what is the item worth when you ship it? It is worth
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> >>> So in the above example the insured value should be: The
> >>> $400 for the item + the $50 for shipping + the $450 the
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> >>> have it boxed or had to drive a ways to the shipper for
> >>> your time and gas. So you see your $400 item just became
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> >>> Hope this will help you make better choices when selling and shipping
> >>> items.
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> >>> Payson, AZ, USA
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> Posted by: Macy monkeys <macymonkeys@...>
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43122. Re: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 02:16:02 UTC
From: Bob Loving
Topic: 43101 Message: 43122

I'm with you and Richard, Steve.
Bob K9JU

On Friday, February 16, 2018 4:53 PM, "Steve Wedge steve27302@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

I'm not following this. Sounds like the three shells and the pea to me.
Shipper refunds the $400 to buyer. I got my $400 already. I'm out nothing. Shipper paid for damage.
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Fri, Feb 16, 2018 at 3:42 PM, Thomas Hoyer thoyer1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

If you paid $300 for the item, sold it for $400. Item gets lost, damaged, totaled, whatever.
You insured the package for $400. Refund from shipper is $400 going back to the buyer - you are out your original $300.....
TomW3TA

-----Original Message-----
From: 'Bob Novas' bob.novas@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; wendy101 <wendy101@...>
Sent: Fri, Feb 16, 2018 3:29 pm
Subject: RE: [DrakeRadio] Off Topic: The Shippers Con Game

ummm. if the buyer paid you $450, and you give it back to him, you’re don’t need $450 insurance money to cover that -- it’s a wash. You need to insure the value of the item, the cost of shipping, and, if you’re going down that route, the $50 profit that you should have but didn’t make. So, 450-500 insurance covers you. Not $900. That’s a red herring.
Bob. W3Dk From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@ yahoogroups.com]
Sent: Friday, February 16, 2018 2:42 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Off Topic: The Shippers Con Game The shippers con game, yes they have it all figured out in their favor and you the seller are going to be the loser. Let me give you an example and explain more. This is about Fedex, UPS, USPS and all others to the best of my knowledge.
Example:

You sell an item for $400 plus $50 shipping, the going price. The buyer pays you. The shipper damages the item beyond repair or loses it. If you have say $150 of insurance you take a loss of $300, $250 if they refund you the shipping cost. But wait, the seller paid you $450! Now you have to refund him the $450. A total loss to you of $700 to $750, because you should have made $400. What I've just described is a shippers con game. Even if you had $450 of insurance, you would still have to refund the $450 to the buyer and you

have nothing. The item is gone, a total loss to the seller.

I don't believe the sellers should have to take the fall for the shippers mistakes. The shippers know the average person is not going to take them to court. My guess is in the fine print, that the shippers agree to only be liable for the insured amount. They will usually ask you what is the VALUE of the item being shipped, not what it will cost you should the item get lost or damaged beyond repair.

So what is the item worth when you ship it? It is worth what you sold it for + what the buyer paid you that you will have to refund to him + the shipping + the additional cost of insuring the item. You see my point!

So in the above example the insured value should be: The $400 for the item + the $50 for shipping + the $450 the buyer paid you that you will have to refund to him if the item is lost or damaged + the cost in insuring the item for $900. You could also add more to the value if you paid to have it boxed or had to drive a ways to the shipper for your time and gas. So you see your $400 item just became worth more than $900 in value when the shipper asks you for it's value.
 You should tell the buyer you are going to insure the item for an amount that will cover ALL losses, yours and his should someth ing happen to it.. I would also pass on the extra cost of insuring the item to the buyer in my selling price. Hope this will help you make better choices when selling and shipping items. Al, n7iohPayson, AZ, USA

43123. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 02:35:51 UTC
From: Richard Knoppow
Topic: 43111 Message: 43123

FWIW, the D-104 has one of the highest output ratings of any non-amplified microphone. Its rated at -48dbV while most high impedance mics are rated at as much as 10db less.
Its in interesting mic, it was the first crystal mic on the market, c.1933. At first two versions were made, a flat frequency response version and a rising response version. The flat one was discontinued fairly soon. The history of crystal mics is interesting because the wrong inventor was given credit by the courts. Cady was the true inventor while Nicolson just had good lawyers.

On 2/16/2018 1:47 PM, Steve Wedge steve27302@...
[DrakeRadio] wrote:

Richard Knoppow
1oldlens1@...
WB6KBL

43124. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 05:46:33 UTC
From: Richard Knoppow
Topic: 43111 Message: 43124

The difference is that an electret requires an impedance matching amplfier. It works like a condenser microphone except that it has a permanent charge. It is the electrostatic equivalent of a permanent magnet.
The structure is very simple so there are few parasitic resonances. In this way it is also like a condenser mic. With good design electrets have quality very much like good condenser mics. Because they are cheap to make and absorb very little power they have pretty much supplanted carbon mics for all applications.
Crystal microphones were very popular beginning in the 1930s because they had extremely high output and would work into an "open grid" of a tube, i.e., no transformer being needed.
Crystal phonograph pickups became the standard for home use for the same reasons. Crystals were also used as cutters for phonograph records in lower priced recorders. They were relatively efficient and worked with simple amplifiers. Because crystal transducers are relatively simple they can have quite good quality. A few high fidelity "studio grade" crystal mics were made where the surfaces of several crystals were exposed directly to the sound without any diaphragm. The output was much lower than the kind with the usual diaphragm but the frequency response was very wide and smooth and distortion low. Such microphones were also used for sound measurements where the ultimate in precision obtainable from a condenser microphone was not needed.
Unfortunately, Rochelle salt crystals are extremely vulnerable to moisture, moderately high temperatures (about 122F being the limit) and subject to fracture from mechanical damage.
About the late 1940s ceramic materials became available with similar advantages to the crystals but with much better mechanical qualities. The output levels were lower but still high enough to make them good replacements for the crystal elements for many purposes. Other than needing a very small amount of external power electret mics have pretty much supplanted crystal and ceramic mics as well as carbon.
FWIW, the rising response of the D-104 is not typical of crystal mics, rather it is a deliberate design intended to improve the intelligibility of speech under noisy conditions. The same kind of response can be obtained with about any type of microphone element.
I got kicked off the Collins Collectors Association list for posting something like this, I hope the Drake people will be more tolerant.

On 2/16/2018 6:40 PM, Brian Smith wrote:
> Speaking of the d-104, there is someone on eBay that sells an electret replacement element for them with better frequency response than the original. Takes about 10 min to disassemble the mic and install. Doesn?t make it sound like a $300 mic but much better than the original
>
> Brian Smith

--
Richard Knoppow
1oldlens1@...
WB6KBL

43125. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 06:23:09 UTC
From: Jim Shorney
Topic: 43111 Message: 43125

This seems to me like a solution looking for a problem. A properly working and loaded non-amplified D-104 is an excellent sounding communications mic. Frequency response oustide of about 200 Hz to 3 KHz is useless for comunications grade radios anyway.....

73

-Jim
NU0C

>On 2/16/2018 6:40 PM, Brian Smith wrote:

>> Speaking of the d-104, there is someone on eBay that sells an electret replacement element for them with better frequency response than the original. Takes about 10 min to disassemble the mic and install. Doesn?t make it sound like a $300 mic but much better than the original
>>

--
It's been said that if you give a million monkeys a typewriter each, one of them will eventually type Shakespeare. Thanks to the Internet, we now know this isn't true.

43126. RE: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 11:49:24 UTC
From: w4my@...
Topic: 43101 Message: 43126

I'd like to beat this dead horse...

It's the seller's responsibility to make the buyer whole in the event of a problem. (the one who entered in the transaction with them)

Its the shipping company's responsibility to make the seller/shipper whole in the event of a problem. The shipping company only deals with the seller/shipper. (the one who entered in the transaction with them)

Even if the buyer pays "shipping" cost, its paid to the seller, not the shipping company.

Simple in theory. Difficult in practice. No one is doubling their money.

73 Marty / W4MY

-----Original Message-----
From: "'Bob Novas' bob.novas@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Friday, February 16, 2018 2:19pm
To: DrakeRadio@yahoogroups.com, wendy101@...
Subject: RE: [DrakeRadio] Off Topic: The Shippers Con Game

ummm. if the buyer paid you $450, and you give it back to him, you’re don’t need $450 insurance money to cover that -- it’s a wash. You need to insure the value of the item, the cost of shipping, and, if you’re going down that route, the $50 profit that you should have but didn’t make. So, 450-500 insurance covers you. Not $900. That’s a red herring. Bob. W3Dk

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Friday, February 16, 2018 2:42 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Off Topic: The Shippers Con Game

The shippers con game, yes they have it all figured out in their favor and you the seller are going to be the loser. Let me give you an example and explain more. This is about Fedex, UPS, USPS and all others to the best of my knowledge.
Example:
You sell an item for $400 plus $50 shipping, the going price. The buyer pays you. The shipper damages the item beyond repair or loses it. If you have say $150 of insurance you take a loss of $300, $250 if they refund you the shipping cost. But wait, the seller paid you $450! Now you have to refund him the $450. A total loss to you of $700 to $750, because you should have made $400. What I've just described is a shippers con game. Even if you had $450 of insurance, you would still have to refund the $450 to the buyer and you have nothing. The item is gone, a total loss to the seller.

I don't believe the sellers should have to take the fall for the shippers mistakes. The shippers know the average person is not going to take them to court. My guess is in the fine print, that the shippers agree to only be liable for the insured amount. They will

usually ask you what is the VALUE of the item being shipped, not what it will cost you should the item get lost or damaged beyond repair.

So what is the item worth when you ship it? It is worth what you sold it for + what the buyer paid you that you will have to refund to him + the shipping + the additional cost of insuring the item. You see my point!

So in the above example the insured value should be: The $400 for the item + the $50 for shipping + the $450 the buyer paid you that you will have to refund to him if the item is lost or damaged + the cost in insuring the item for $900. You could also add more to the value if you paid to have it boxed or had to drive a ways to the shipper for your time and gas. So you see your $400 item just became worth more than $900 in value when the shipper asks you for it's value.

You should tell the buyer you are going to insure the item for an amount that will cover ALL losses, yours and his should someth ing happen to it. I would also pass on the extra cost of insuring the item to the buyer in my selling price.

Hope this will help you make better choices when selling and shipping items.

Al, n7ioh
Payson, AZ, USA

43127. Alignment of Drake twins

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 13:52:32 UTC
From: johng101501@...
Topic: 43127 Message: 43127

Hello, All- I have a T4x and R4a that I have used together in the past with good results, i did align them with c-61. in the R4A . The R4A I purchased about 3 years ago and found it had a faulty PTO. I sent it to WA8SAJ and he replaced the PTO and aligned it for me. I Figure the R4A is good to go , however I find two different alignment methods for the T4x - one with a signal generator coupled to the inj port , and one without a sig gen at all. This will be my first transmitter alignment and any pointers would be well received. I plan on leaving the two coupled together during alignment, but i dont see how if there is a sig gen plugged in. The transmitter has new finals puts out over 115 watts so i dont know how far off it is . Thanks

43128. Re: Alignment of Drake twins

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 15:51:02 UTC
From: garywinblad@...
Topic: 43127 Message: 43128

Interesting post, I am in the same situation, I want to know what the experts say too.

I just got my R-4A working well, like you. My T-4x manual says to use a signal generator. But, a
freshly aligned R-4A IS a signal generator and on the correct frequencies.. So I used it. Seemed
to work fine, I am getting 130watts out (back in the day I used to get 140..). I still have problems
when trying to transceiver, levels are way wrong.. still need to get back to that but I am able to
put the rig back on the air again running in Separate mode.

73,
Gary
WB6OGD

43129. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 16:32:08 UTC
From: Brian Smith
Topic: 43111 Message: 43129

I think the history is very interesting

On Fri, 2/16/18, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Subject: Re: [DrakeRadio] Different mics with TR-3
To: "Brian Smith" <k9bps@...>, DrakeRadio@yahoogroups.com
Date: Friday, February 16, 2018, 11:46 PM

The difference is that an electret requires an impedance matching amplfier. It works like a condenser microphone except that it has a permanent charge. It is the electrostatic equivalent of a permanent magnet.
The structure is very simple so there are few parasitic resonances. In this way it is also like a condenser mic. With good design electrets have quality very much like good condenser mics. Because they are cheap to make and absorb very little power they have pretty much supplanted carbon mics for all applications.
Crystal microphones were very popular beginning in the 1930s because they had extremely high output and would work into an "open grid" of a tube, i.e., no transformer being needed. Crystal phonograph pickups became the standard for home use for the same reasons. Crystals were also used as cutters for phonograph records in lower priced recorders. They were relatively efficient and worked with simple amplifiers. Because crystal transducers are relatively simple they can have quite good quality. A few high fidelity "studio grade"

crystal mics
were made where the surfaces
of several crystals were exposed
directly
to the sound without any diaphragm. The output was much
lower than the kind with the usual diaphragm
but the frequency
response was very wide
and smooth and distortion low. Such
microphones were also used for sound
measurements where the
ultimate in
precision obtainable from a condenser microphone was
not needed.

Unfortunately, Rochelle salt crystals are extremely
vulnerable to moisture, moderately high
temperatures (about 122F
being the limit)
and subject to fracture from mechanical damage.
    About the late 1940s ceramic materials
became available with
similar advantages to
the crystals but with much better
mechanical qualities. The output levels were
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enough to make them
good replacements for the crystal elements
for many purposes. Other than needing a very
small amount of
external power electret
mics have pretty much supplanted crystal
and ceramic mics as well as carbon.
    FWIW, the rising response of the D-104 is
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crystal mics, rather it is a
deliberate design intended to
improve the
intelligibility of speech under noisy conditions. The
same kind of response can be obtained with
about any type of
microphone element.
    I got kicked off the Collins Collectors
Association list for
posting something like
this, I hope the Drake people will be more
tolerant.

On
2/16/2018 6:40 PM, Brian Smith wrote:
>

Speaking of the d-104, there is someone on eBay that sells an electret replacement element for them with better frequency response than the original. Takes about 10 min to disassemble the mic and install. Doesn’t make it sound like a $300 mic but much better than the original
>
> Brian Smith

--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

Traditional

(Yahoo! ID required)

DrakeRadio-fullfeatured@yahoogroups.com

43130. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 16:33:59 UTC
From: Brian Smith
Topic: 43111 Message: 43130

I guess it depends on how your like your audio to sound. Different strokes for different folks. That’s why there’s lots of choices. Not to say one is wrong and one is right.

On Sat, 2/17/18, 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Subject: Re: [DrakeRadio] Different mics with TR-3
To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>
Date: Saturday, February 17, 2018, 12:23 AM

This seems to me
like a solution looking for a problem. A properly working
and
loaded non-amplified D-104 is an
excellent sounding communications mic.
Frequency response oustide of about 200 Hz to 3
KHz is useless for
comunications grade
radios anyway.....

73

-Jim
NU0C

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--
It's been said that if
you give a million monkeys a typewriter each, one of them
will eventually type Shakespeare. Thanks to the Internet, we
now know this isn't true.

Yahoo Groups Links

Traditional

(Yahoo! ID required)

DrakeRadio-fullfeatured@yahoogroups.com

43131. RE: [DrakeRadio] Off Topic: The Shippers Con Game

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 19:29:49 UTC
From: Paul Pollock
Topic: 43101 Message: 43131

Hi,

Let's keep this discussion rational.

If I take my car in for service, and after parts installed fail, do I get paid in dollars and sense?

No, I get new parts.

The shipper of a product is not shipping money. He's shipping goods which he insures, and supplies a warranted service of transport of goods. If he damages the goods, the financial indemnity does not remove the liability for the product shipped.

This is especially true of the transport of antique radios, some of which are impossible to replace at any cost whatever.

This is WHY the shipper asks you for a fiduciary value for the product. In this case, whatever the customer coins as a price for an irreplaceable item, the shipper receives a massive discount.

Replacing the irreplaceable, becomes a study in feloneous intent.

The same felony occurred to me a few years ago, when I was fronted ended at a stoplight. The other vehicle was found 100% liable by the police AND his insurance company. They tried to hand me $4500 dollars and a salvage title for my vehicle. All this for repairs that I had obtained a formal estimate of $8800 for repairs to my frontend.

I sued the insurance company's client and then just waited. 14-months later, the clients insurance company paid me a check for $10,200, which paid for the repairs and my attorney.

I stand with AL...

On Feb 17, 2018 4:49 AM, "w4my@reagan.com [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

I'd like to beat this dead horse...

It's the seller's responsibility to make the buyer whole in the event of a problem.. (the one who entered in the transaction with them)

Its the shipping company's responsibility to make the seller/shipper whole in the event of a problem. The shipping company only deals with the seller/shipper. (the one who entered in the transaction with them)

Even if the buyer pays "shipping" cost, its paid to the seller, not the shipping company.

Simple in theory. Difficult in practice. No one is doubling their money.

73 Marty / W4MY

-----Original Message-----
From: "'Bob Novas' bob.novas@verizon.net [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Friday, February 16, 2018 2:19pm
To: DrakeRadio@yahoogroups.com, wendy101@gmx.com
Subject: RE: [DrakeRadio] Off Topic: The Shippers Con Game

ummm. if the buyer paid you $450, and you give it back to him, you're don't need $450 insurance money to cover that -- it's a wash. You need to insure the value of the item, the cost of shipping, and, if you're going down that route, the $50 profit that you should have but didn't make. So, 450-500 insurance covers you. Not $900. That's a red herring. Bob. W3Dk

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Friday, February 16, 2018 2:42 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Off Topic: The Shippers Con Game

The shippers con game, yes they have it all figured out in their favor and you the seller are going to be the loser. Let me give you an example and explain more. This is about Fedex, UPS, USPS and all others to the best of my knowledge.

Example:

You sell an item for $400 plus $50 shipping, the going price. The buyer pays you. The shipper damages the item beyond repair or loses it. If you have say $150 of insurance you take a loss of $300, $250 if they refund you the shipping cost. But wait, the seller paid you $450! Now you have to refund him the $450. A total loss to you of $700 to $750, because you should have made $400. What I've just described is a shippers con game. Even if you had $450 of insurance, you would still have to refund the $450 to the buyer and you have nothing. The item is gone, a total loss to the seller.

I don't believe the sellers should have to take the fall for the shippers mistakes. The shippers know the average person is not going to take them to court. My guess is in the fine print, that the shippers agree to only be liable for the insured amount. They will usually ask you what is the VALUE of the item being shipped, not what it will cost you should the item get lost or damaged beyond repair.

So what is the item worth when you ship it? It is worth what you sold it for + what the buyer paid you that you will have to refund to him + the shipping + the additional cost of insuring the item. You see my point!

So in the above example the insured value should be: The $400 for the item + the $50 for shipping + the $450 the buyer paid you that you will have to refund to him if the item is lost or damaged + the cost in insuring the item for $900. You could also add more to the value if you paid to have it boxed or had to drive a ways to the shipper for your time and gas. So you see your $400 item just became worth more than $900 in value when the shipper asks you for it's value.

You should tell the buyer you are going to insure the item for an amount that will cover ALL losses, yours and his should someth ing happen to it. I would also pass on the extra cost of insuring the item to the buyer in my selling price.

Hope this will help you make better choices when selling and shipping items.

Al, n7ioh

Payson, AZ, USA

43132. Re: Alignment of Drake twins

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 23:00:35 UTC
From: johng101501@...
Topic: 43127 Message: 43132

Well we can see what the people here come up with but i think im more inclined to peak my drive levels because mine net together beautifully-- I wonder if your crystals have drifted apart in different directions?

43133. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 00:13:35 UTC
From: Richard Knoppow
Topic: 43111 Message: 43133

Thank you. If you are interested in more look up Walter Guyton Cady. There is not a lot available on line but some. Unfortunately, his papers and other materials are on sites controlled by the American Institute of Physics so the material is far from free.
I also suggest looking for his book on piezoelectricity and also for the book "Electroacoustics" by Fredrick V. Hunt, published by the Harvard University Press. I think a reprint is available via the Acoustical Society of America, a google search will find it. Hunt has a long discussion of the patent litigation between Cady and A.M.Nicholson. This was to establish who had priority of invention of the crystal oscillator. Nicholson won but Hunt is plain that that he thinks that was a major error by the court. Crystal microphones mostly use a different kind of crystal than electronic oscillators but the principle is the same. Crystals, mostly quartz, were also use for early Sonar. The development of the quartz crystal industry is interesting. I have some references but will have to post them later, probably a google search will find them. This started as a cottage industry that grew enormously during WW-2 when it was found that crystal controlled communication was vital. Unfortunately the crystal industry seems to have vanished in the last couple of years. I still don't know why. There should be enough of a market to support at least one company. ICM said they could no longer get raw materials but I don't quite understand that since Bell Labs discovered how to grow synthetic crystals in the 1950s. Maybe its too expensive to be economical for small production. Another puzzle in a puzzling world.

On 2/17/2018 2:01 PM, Hank Lambert wrote:
> Thanks for the info and the history. I enjoyed reading it.
>
> 73,
>
> --Hank
> KB4MTO / TA5ZC
> https://www.hamradio.hanklambert.com

--
Richard Knoppow
1oldlens1@...
WB6KBL

43134. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 01:20:20 UTC
From: Jim Shorney
Topic: 43111 Message: 43134

There is a tendency for anyone with a soldering iron and a copy of the Handbook to think that they can make this vintage gear "better". Yes, there are some aeas that benefit from improvemnt. But as we are always learning, these engineers that pioneered the industry were not dumbasses. They knew what they were doing. Often enough we don't know what they were doing. Yes, I include myself in that assessment.

Thank you for your always interesting and informative comments, professor. They are a pleasure to read.

73

-Jim
NU0C

On Sat, 17 Feb 2018 00:10:46 -0800, Richard Knoppow wrote:

> Whoever designed it at Astatic seems to have been current on
>research on speech and hearing. The research on intelligibility
>done mostly at Bell Labs was quite new. Either than or he/she
>managed to get the right combination by cut and try. There are
>many other mics with similar response curves to cut through noise
>designed long after the D-104.

--

-->.<--Put complaints in this box

43135. R4 series with another manufacturer transmitter..

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 01:54:07 UTC
From: bsa0791@...
Topic: 43135 Message: 43135

Going to try to pair my R4 with a Heathkit SB401 transmitter. Anyone have any luck doing something similar? This will be for cw only.

thank kb4mng nc

43136. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 01:58:09 UTC
From: Richard Knoppow
Topic: 43111 Message: 43136

Thank you:-)
I should say that replacing the original element in a D-104
is often necessary because the original is kaput. The most
practical replacment is an electret and suitable amplifier for
it. The overall frequency response of the microphone (any
microphone) is due to several factors, the size and shape of the
case being an important one. The case of a D-104 is fairly large
so will have a significant effect and it will not change much if
the element is changed to a smaller one. Some of the peak is from
this source but also it has a strong effect on the directional
properties of the mic. At low frequencies the mic is nearly
non-directional but as the wavelengths approach the dimensions of
the case diffraction begins to cause the mic to become
directional. This can be a useful feature, in the D-104 the
microphone begins to discriminate about at the mid voice
frequencies. This tends to reduce pickup of background sounds
and, in PA use, reduces feedback.
If original crystal or ceramic elements were available I
would use them but then I am something of a purist.
Another feature of the D-104 is that its large enough to give
you something to look at while speaking. I think this is one
reason the Electro-Voice RE-20 and similar models are so popular
in broadcasting. They _look_ like microphones and one can stare
at them.
>
> 73
>
> -Jim
> NU0C

>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43137. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 02:18:40 UTC
From: Brian Smith
Topic: 43111 Message: 43137

It is a nice piece of hardware to look at

Brian Smith

> On Feb 17, 2018, at 7:58 PM, Richard Knoppow 1oldlens1@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> Thank you:-)
> I should say that replacing the original element in a D-104
> is often necessary because the original is kaput. The most
> practical replacment is an electret and suitable amplifier for
> it. The overall frequency response of the microphone (any
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> the element is changed to a smaller one. Some of the peak is from
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> properties of the mic. At low frequencies the mic is nearly
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> the case diffraction begins to cause the mic to become
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>>
>> 73
>>
>> -Jim
>> NU0C
>
>>
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
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> Yahoo Groups Links
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43138. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 04:43:47 UTC
From: Jim Shorney
Topic: 43111 Message: 43138

What is notable about the RE-20, and by extension its bretheren the RE-27 and RE-320, is that they do not suffer from proximity effect. Those slots on the side aren't decorative, they are actually part of the acoustic design!

What is frustrating to me is the ops that take their Swiss Army Knife radios out portable/mobile QRP for POTA/SOTA/whatever activations with compromise antennas in locations that are not always optimal, and use the standard hand mic that came with the radio. Typically these are mics that sound wonderful on VHF FM but do not have the punch to cut through the crud on HF when signals are weak. When I try to explain it to them diplomatically they always jump right to the conclusion that I am saying their audio is bad. No, I am not. I'm sure it sounds wonderful when signals are strong or they are on FM. Not so much on 40M when signals are down in the noise.

73

-Jim
NU0C

On Sat, 17 Feb 2018 17:58:09 -0800, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:

> Another feature of the D-104 is that its large enough to give
>you something to look at while speaking. I think this is one
>reason the Electro-Voice RE-20 and similar models are so popular
>in broadcasting. They _look_ like microphones and one can stare
>at them.

--
The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris, "The Doctor's Wife"

43139. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 06:09:10 UTC
From: Richard Knoppow
Topic: 43111 Message: 43139

The lack of proximity effect (actually there is a little) is
due to the patented method of obtaining the cardioid pattern. EV
engineer Alpha M. Wiggins invented it. I will not try to explain
how it works here but the slots on the side are entrances for the
high frequency discrimination network.
There is a brief bio of him at:
http://www.depts.ttu.edu/coe/alumni/de/bios.php?name=Alpha%20M.%20Wiggins

The patent covering this type of mic is 3,115,207
The first mic Electro Voice made using the Variable-D principle
was the 666, which soon practically supplanted all other mics for
TV use and nearly all for radio. There were many other models
using the same principle, notably the EV 664, intended for lower
cost applications such as public address and communications but
CBS used them in their news headquarters in New York.
Wiggins also invented an earlier type of single diaphragm
cardioid called by Electro Voice the Mechanophase system. It is
covered by patent no. 2627558. Wiggins was also responsible for
the Electro-Voice Circlotron amplifier pat no. 2828369
EV built these for years but somehow they were never as
popular as they should have been.
Mics made later than the 666, perhaps beginning with the
RE-15, used a different form of filter on the rear of the
diaphragm. The 666 and similar mics use three fixed frequency
range filters while the RE-15 and later use a sort of
transmission line filter with continuous frequency coverage and
delay.
I never much liked EV mics for recording but others did. On
the famous Lawrence Welk show on ABC all the mics were EV and
sounded pretty good. The audio engineer was John Neal, who was a
friend for a long time, then somehow I lost track of him. I don't
suppose anyone on this list knows what happened.

On 2/17/2018 8:43 PM, 'Jim Shorney' jshorney@...
[DrakeRadio] wrote:
>
> What is notable about the RE-20, and by extension its bretheren the RE-27 and
> RE-320, is that they do not suffer from proximity effect. Those slots o

--
Richard Knoppow
1oldlens1@...
WB6KBL

43140. Re: [DrakeRadio] R4 series with another manufacturer transmitter..

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 10:54:36 UTC
From: William Pinkava
Topic: 43135 Message: 43140

I have my R4 paired with a DX-40. Works great!
Bill, AE8EA
Sent from my iPhone

> On Feb 17, 2018, at 8:54 PM, bsa0791@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Going to try to pair my R4 with a Heathkit SB401 transmitter. Anyone have any luck doing something similar? This will be for cw only.
>
>
>
> thank kb4mng nc
>
>

43141. AC-4 power connector.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 11:33:38 UTC
From: Jeffrey Angus
Topic: 43141 Message: 43141

I need the connector that goes on the AC-4 power cable.

Thanks

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43142. Detent Missing on R4B Function Switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 14:52:03 UTC
From: k3jls@...
Topic: 43142 Message: 43142

Hello folks,

I bought a very nice R4B on eBay last year. After some cleaning and an alignment, it works very well. However, the detent is missing on the function switch which - while the radio works - feels kinda weird. I was wondering in any members of this group had encountered this problem and come up with a fix aside from replacing the whole switch. Could a ball bearing have fallen out, or something like that?

Joe - K3JLS

43143. Re: [DrakeRadio] Detent Missing on R4B Function Switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 15:16:49 UTC
From: Randy Moore
Topic: 43142 Message: 43143

Had this happen to me a while back. In my case, the metal strip that retained the ball bearing broke. Someone on this list sent me a replacement for the whole switch, but I just took the metal strip and replaced it in my R4B. I still had my ball bearing. Maybe someone else can help you out. Doing the replacement is easy, and you can look at one of your other switches to see how it goes back together.

GL es 73,
Randy, KS4L

On Feb 18, 2018 8:58 AM, "k3jls@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

>
>
> Hello folks,
>
> I bought a very nice R4B on eBay last year. After some cleaning and an
> alignment, it works very well. However, the detent is missing on the
> function switch which - while the radio works - feels kinda weird. I was
> wondering in any members of this group had encountered this problem and
> come up with a fix aside from replacing the whole switch. Could a ball
> bearing have fallen out, or something like that?
>
> Joe - K3JLS
>
>
>
>

43145. L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 19:26:46 UTC
From: Eric Moore
Topic: 19735 Message: 43145

Hey guys, been working on my L4B for a while and finally got it put back together and wired for 240V. When I got a year ago, the power supply caps where puking their guts out, and it was wired for 120V, so I didn't want to run it and then life got in the way, so I just got the upgrades finished. I added the Harbach softstart board from Paul K0UYA, the Harbach PS upgrade, and replaced the glitch resistor with a proper one from Harbach. The amp worked before I started, but now it don't. When the L4B is in standby mode, and I put power from the exciter, I see that power on my external wattmeter (Drake W4). When I key the amp, I see plate current, but no power out and no plate current dip (it's at about .2ma for a second or so a few times, after letting it cool down between attempts).

I have about 1600 volts on the plate in CW tune mode, and have the AGC set to 0, no external AGC connected. I have the LOADING cap set to 0. I have Paul's K0UYA soft-start board bias set to 4.0 Volts (this amp has newer RF Parts Graphite tubes in it). I have the exciter set to 50Watts (IC-7300) and am keying the amp just fine. Have rig in CW mode, sending dots at 48WPM to further limit duty cycle), the RF output is connected to a Heathkit Cantenna.

During the refurb, I removed the front panel to clean it up and replaced the blue gel and one of the lamps on the meter. One issue is that I am not 100% sure that I got the PLATE capacitor pointer back in the correct position, it is currently fully meshed at the 10 meter location. I can't seem to find how the plate capacitor should be set for which band.

I have also found is that center pin of the RF output goes to ground when the relay is pressed. Searching back up the signal chain, I see where there is a connection to ground thru RFC5, so I guess this is to be expected when testing with VOM. So where is my RF going? I don't see anything burned, but there is some evidence of past issues, as the plate capacitor has a little bit of a couple fins that looked melted, but they have been cleaned up and this was here before I started.

So this is where I am, I am stuck. Not sure what else to look for. Any ideas?

Thanks,
Eric
K8CCA

43146. Re: R4 series with another manufacturer transmitter..

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 16:09:28 UTC
From: garywinblad@...
Topic: 43135 Message: 43146

Other than you can not transceive, it should work fine.
Back in the day, I used an R-4A with a Hammarlund HX-50.
73,
Gary
WB6OGD

43147. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 20:43:37 UTC
From: Richard Knoppow
Topic: 19735 Message: 43147

I couldn't find a schematic for the soft start on the Harbach
web site. Presumably they sent some sort of documentation with
it. Check over the wiring to make sure its correct and see if
there is a way to checking the thing to make sure its working
correctly. You might write them to see if they can help. They
have a very good reputation.

On 2/18/2018 11:26 AM, Eric Moore k8cca@...
[DrakeRadio] wrote:
>
>
> Hey guys, been working on my L4B for a while and finally got it
> put back together and wired for 240V. When I got a year ago, the
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43148. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 20:53:44 UTC
From: Bob Maser
Topic: 19735 Message: 43148

The tune cap should be close to fully unmeshed for 10M operation. Just key the amp with a small
amount of drive and tune the amp for maximum smoke. Then apply more drive and retune for max smoke.
Bob W6TR

On Sun, Feb 18, 2018 at 2:26 PM, Eric Moore k8cca@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Hey guys, been working on my L4B for a while and finally got it put back
> together and wired for 240V. When I got a year ago, the power supply caps
> where puking their guts out, and it was wired for 120V, so I didn't want to
> run it and then life got in the way, so I just got the upgrades finished.
> I added the Harbach softstart board from Paul K0UYA, the Harbach PS
> upgrade, and replaced the glitch resistor with a proper one from Harbach.
> The amp worked before I started, but now it don't. When the L4B is in
> standby mode, and I put power from the exciter, I see that power on my
> external wattmeter (Drake W4). When I key the amp, I see plate current,
> but no power out and no plate current dip (it's at about .2ma for a second
> or so a few times, after letting it cool down between attempts).
>
>
>
> I have about 1600 volts on the plate in CW tune mode, and have the AGC set
> to 0, no external AGC connected. I have the LOADING cap set to 0. I have
> Paul's K0UYA soft-start board bias set to 4.0 Volts (this amp has newer RF
> Parts Graphite tubes in it). I have the exciter set to 50Watts (IC-7300)
> and am keying the amp just fine. Have rig in CW mode, sending dots at
> 48WPM to further limit duty cycle), the RF output is connected to a
> Heathkit Cantenna.
>
>
>
> During the refurb, I removed the front panel to clean it up and replaced
> the blue gel and one of the lamps on the meter. One issue is that I am not
> 100% sure that I got the PLATE capacitor pointer back in the correct
> position, it is currently fully meshed at the 10 meter location. I can't
> seem to find how the plate capacitor should be set for which band.
>
>
>
> I have also found is that center pin of the RF output goes to ground when
> the relay is pressed. Searching back up the signal chain, I see where

> there is a connection to ground thru RFC5, so I guess this is to be
> expected when testing with VOM. So where is my RF going? I don’t see
> anything burned, but there is some evidence of past issues, as the plate
> capacitor has a little bit of a couple fins that looked melted, but they
> have been cleaned up and this was here before I started.
>
>
>
> So this is where I am, I am stuck. Not sure what else to look for. Any
> ideas?
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>
>
> Thanks,
>
> Eric
>
> K8CCA
>
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43149. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 21:11:48 UTC
From: Richard Knoppow
Topic: 19735 Message: 43149

I found the soft start documentation on the Harbach site. I
just didn't look enough before.

On 2/18/2018 12:43 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> I couldn't find a schematic for the soft start on the Harbach
> web site.

--
Richard Knoppow
1oldlens1@...
WB6KBL

43150. Re: L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 23:05:35 UTC
From: wallydoc@...
Topic: 19735 Message: 43150

Just a thought that may help: I do not think the soft start works with the unit set to 120 VAC only 240VAC. I think I had one and the resistor on the soft start started burning on 120VAC.
I think it was on a L4, but maybe not.
Not enough volts to turn the relay on.
Wally KC9INK

43151. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 23:58:36 UTC
From: Jim Shorney
Topic: 19735 Message: 43151

Knob pointer alignment is in section 5-21 of the manual.

Keep it simple and start witht he basics. Verify your soft start as Wally mentioned. Jumper it out if suspicious. These amps have run for decades without them.

Attempt tune up by the book. Don't try to tune with the exciter set at a specific power level. Don't tune with dits until you know you have a properly working amp and know how the amp behaves with a carrier. Preset the controls to the band you are on. Start at zero Watts CW and bring up the carrier level until you see the plate current start to rise. It shouldn't take a lot. If you don't see any plate current increase by 50 Watts then you probably have an issue. If you do have a plate current rise then this is a good time to dip the plate current or peak the plate control for maximum Watts on the meter. You should be seeing grid current at this point as well. Tune up normally by adjusting plate, load, and drive level while watching grid and plate current. It sounds complicated but once you get the hang if it you can do it in 30 seconds.

If you can't get a rise in plate current with CW carrier drive I would check the T/R relay contacts and input circuits first.

Once you have an amp that is tuning up correctly with a CW carrier you can experiment with the dits and see how the meters react, etc. I have done this but frankly it gets in my way if I am in a hurry to tune up. 3-500s are some scary tough tubes and will take a surprising amount of abuse for short periods.

73

-Jim
NU0C

On Sun, 18 Feb 2018 14:26:46 -0500, Eric Moore k8cca@sbcglobal.net [DrakeRadio] wrote:

>Hey guys, been working on my L4B for a while and finally got it put back together and wired for 240V. When I got a year ago, the power supply caps where puking their guts out, and it was wired for 120V, so I didnG??t want to run it and then life got in the way, so I just got the upgrades finished. I added the Harbach softstart board from Paul K0UYA, the Harbach PS upgrade, and replaced the glitch resistor with a proper one from Harbach. The amp worked before I started, but now it donG??t. When the L4B is in standby mode, and I put power from the exciter, I see that power on my external wattmeter (Drake W4). When I key the amp, I see plate current, but no power out and no plate current dip (itG??s at about .2ma for a second or so a few times, after letting it cool down between attempts).
>
>I have about 1600 volts on the plate in CW tune mode, and have the AGC set to 0, no external AGC connected. I have the LOADING cap set to 0. I have PaulG??s K0UYA soft-start

board bias set to 4.0 Volts (this amp has newer RF Parts Graphite tubes in it). I have the exciter set to 50Watts (IC-7300) and am keying the amp just fine. Have rig in CW mode, sending dots at 48WPM to further limit duty cycle), the RF output is connected to a Heathkit Cantenna.
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>During the refurb, I removed the front panel to clean it up and replaced the blue gel and one of the lamps on the meter. One issue is that I am not 100% sure that I got the PLATE capacitor pointer back in the correct position, it is currently fully meshed at the 10 meter location. I canG??t seem to find how the plate capacitor should be set for which band.
>
>I have also found is that center pin of the RF output goes to ground when the relay is pressed. Searching back up the signal chain, I see where there is a connection to ground thru RFC5, so I guess this is to be expected when testing with VOM. So where is my RF going? I donG??t see anything burned, but there is some evidence of past issues, as the plate capacitor has a little bit of a couple fins that looked melted, but they have been cleaned up and this was here before I started.
>
>So this is where I am, I am stuck. Not sure what else to look for. Any ideas?
>
>Thanks,
>Eric
>K8CCA
>
>
>

--
The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris, "The Doctor's Wife"

43152. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 00:08:07 UTC
From: Steve Wedge
Topic: 19735 Message: 43152

+1 on checking the relay.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Feb 18, 2018 at 6:58 PM, 'Jim Shorney' jshorney@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
> Knob pointer alignment is in section 5-21 of the manual.
>
> Keep it simple and start witht he basics. Verify your soft start as Wally
> mentioned. Jumper it out if suspicious. These amps have run for decades
> without
> them.
>
> Attempt tune up by the book. Don't try to tune with the exciter set at a
> specific power level. Don't tune with dits until you know you have a
> properly
> working amp and know how the amp behaves with a carrier. Preset the
> controls to
> the band you are on. Start at zero Watts CW and bring up the carrier level
> until you see the plate current start to rise. It shouldn't take a lot. If
> you
> don't see any plate current increase by 50 Watts then you probably have an
> issue. If you do have a plate current rise then this is a good time to dip
> the
> plate current or peak the plate control for maximum Watts on the meter. You
> should be seeing grid current at this point as well. Tune up normally by
> adjusting plate, load, and drive level while watching grid and plate
> current.
> It sounds complicated but once you get the hang if it you can do it in 30
> seconds.
>
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> the T/R relay contacts and input circuits first.
>
> Once you have an amp that is tuning up correctly with a CW carrier you can
> experiment with the dits and see how the meters react, etc. I have done
> this
> but frankly it gets in my way if I am in a hurry to tune up. 3-500s are
> some
> scary tough tubes and will take a surprising amount of abuse for short
> periods.

>
> 73
>
> -Jim
> NU0C
>
> On Sun, 18 Feb 2018 14:26:46 -0500, Eric Moore k8cca@...
> [DrakeRadio]
> wrote:
>
> >Hey guys, been working on my L4B for a while and finally got it put back
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> for a second or so a few times, after letting it cool down between
> attempts).
> >
> >I have about 1600 volts on the plate in CW tune mode, and have the AGC
> set to 0, no external AGC connected. I have the LOADING cap set to 0. I
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> newer RF Parts Graphite tubes in it). I have the exciter set to 50Watts
> (IC-7300) and am keying the amp just fine. Have rig in CW mode, sending
> dots at 48WPM to further limit duty cycle), the RF output is connected to a
> Heathkit Cantenna.
> >
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> >So this is where I am, I am stuck. Not sure what else to look for. Any
> ideas?
> >
> >Thanks,
> >Eric

> >K8CCA
> >
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> --
> The universe we're in will reach absolute zero in three hours. Safe is
> relative. - Idris, "The Doctor's Wife"
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> Yahoo Groups Links
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43153. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 00:22:59 UTC
From: wa2lbi@gmail.com
Topic: 19735 Message: 43153

I didn't see this mentioned but since you have been working on the amp a lot be sure you haven't accidentally swapped the antenna and transmitter coax cables.
KenWA2LBILG G6

------ Original message------From: Steve Wedge steve27302@... [DrakeRadio]Date: Sun, Feb 18, 2018 19:08To: DrakeRadio@yahoogroups.com;Jim Shorney;Cc: Subject:Re: [DrakeRadio] L4B Issues

+1 on checking the relay.
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Feb 18, 2018 at 6:58 PM, 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Knob pointer alignment is in section 5-21 of the manual.

Keep it simple and start witht he basics. Verify your soft start as Wally

mentioned. Jumper it out if suspicious. These amps have run for decades without

them.

Attempt tune up by the book. Don't try to tune with the exciter set at a

specific power level. Don't tune with dits until you know you have a properly

working amp and know how the amp behaves with a carrier. Preset the controls to

the band you are on. Start at zero Watts CW and bring up the carrier level

until you see the plate current start to rise. It shouldn't take a lot. If you

don't see any plate current increase by 50 Watts then you probably have an

issue. If you do have a plate current rise then this is a good time to dip the

plate current or peak the plate control for maximum Watts on the meter. You

should be seeing grid current at this point as well. Tune up normally by

adjusting plate, load, and drive level while watching grid and plate current.

It sounds complicated but once you get the hang if it you can do it in 30

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If you can't get a rise in plate current with CW carrier drive I would check

the T/R relay contacts and input circuits first.

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experiment with the dits and see how the meters react, etc. I have done this

but frankly it gets in my way if I am in a hurry to tune up. 3-500s are some

scary tough tubes and will take a surprising amount of abuse for short periods.

73

-Jim

NU0C

On Sun, 18 Feb 2018 14:26:46 -0500, Eric Moore k8cca@... [DrakeRadio]

wrote:

>Hey guys, been working on my L4B for a while and finally got it put back together and wired for 240V. When I got a year ago, the power supply caps where puking their guts out, and it was wired for 120V, so I didnG€™t want to run it and then life got in the way, so I just got the upgrades finished. I added the Harbach softstart board from Paul K0UYA, the Harbach PS upgrade, and replaced the glitch resistor with a proper one from Harbach. The amp worked before I started, but now it donG€™t. When the L4B is in standby mode, and I put power from the exciter, I see that power on my external wattmeter (Drake W4). When I key the amp, I see plate current, but no power out and no plate current dip (itG€™s at about .2ma for a second or so a few times, after letting it cool down between attempts).

>

>I have about 1600 volts on the plate in CW tune mode, and have the AGC set to 0, no external AGC connected. I have the LOADING cap set to 0. I have PaulG€™s K0UYA soft-start board bias set to 4.0 Volts (this amp has newer RF Parts Graphite tubes in it). I have the exciter set to 50Watts (IC-7300) and am keying the amp just fine. Have rig in CW mode, sending dots at 48WPM to further limit duty cycle), the RF output is connected to a Heathkit Cantenna.

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>

>Thanks,

>Eric

>K8CCA

>

>

>

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Yahoo Groups Links

    http://groups.yahoo.com/group/DrakeRadio/

    Individual Email | Traditional

    http://groups.yahoo.com/group/DrakeRadio/join

    (Yahoo! ID required)

    DrakeRadio-digest@yahoogroups.com

    DrakeRadio-fullfeatured@yahoogroups.com

    DrakeRadio-unsubscribe@yahoogroups.com

    https://info.yahoo.com/legal/us/yahoo/utos/terms/

43154. L4-B weight

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 01:42:18 UTC
From: Bill Abate
Topic: 43154 Message: 43154

I have my L4-B up for sale. In case I have to ship it, I need the weight of the PS and amp separately. I can't find it in the manual. Not necessary to the the ounce but close enough.

Tnx es 73,

Bill, K3PGB

43155. RE: [DrakeRadio] L4-B weight

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 01:46:54 UTC
From: Joe
Topic: 43154 Message: 43155

You don't have a bathroom scale??!!!

Must not be married! J

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Sunday, February 18, 2018 5:42 PM
To: DrakeRadio
Subject: [DrakeRadio] L4-B weight

I have my L4-B up for sale. In case I have to ship it, I need the weight of
the PS and amp separately. I can't find it in the manual.

Not necessary to the the ounce but close enough.

Tnx es 73,

Bill, K3PGB

Yahoo Groups Links

<http://groups.yahoo.com/group/DrakeRadio/>
http://groups.yahoo.com/group/DrakeRadio/

Individual Email | Traditional

<http://groups.yahoo.com/group/DrakeRadio/join>
http://groups.yahoo.com/group/DrakeRadio/join

(Yahoo! ID required)

<mailto:DrakeRadio-digest@yahoogroups.com>
DrakeRadio-digest@yahoogroups.com

<mailto:DrakeRadio-fullfeatured@yahoogroups.com>
DrakeRadio-fullfeatured@yahoogroups.com

<mailto:DrakeRadio-unsubscribe@yahoogroups.com>
DrakeRadio-unsubscribe@yahoogroups.com

<https://info.yahoo.com/legal/us/yahoo/utos/terms/>
https://info.yahoo.com/legal/us/yahoo/utos/terms/

43156. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 02:38:55 UTC
From: wes Bolin
Topic: 19735 Message: 43156

Do you have grid current? No Ig means no power output.

With no HV check to see if you have drive on the cathodes of the
3-500's....ie. its getting through the switching relay and the tuned input
to the tubes.

The RF choke on the output is at least a few ohms resistance, and not a
short circuit.

Let us know what you find. BTW I have step-start on my single 3-400Z
Loudenboomer amp and its wired for 120 VAC input. I think its a good
idea. Don't know about
the Harbach circuit.

Wes

On Sun, Feb 18, 2018 at 6:22 PM, 'wa2lbi@...' wa2lbi@...
[DrakeRadio] <DrakeRadio@...m> wrote:

>
>
> I didn't see this mentioned but since you have been working on the amp a
> lot be sure you haven't accidentally swapped the antenna and transmitter
> coax cables.
>
> *Ken*
> *WA2LBI*
> *LG G6*
>
>
> ------ Original message------
> *From: *Steve Wedge steve27302@... <+steve27302@...>
> [DrakeRadio]
> *Date: *Sun, Feb 18, 2018 19:08
> *To: *DrakeRadio@yahoogroups.com;Jim Shorney;
> *Cc: *
> *Subject:*Re: [DrakeRadio] L4B Issues
>
> +1 on checking the relay.
>
> Steve Wedge, W1ES/4
>
> Time flies like an arrow; fruit flies like a banana.
>
> On Sun, Feb 18, 2018 at 6:58 PM, 'Jim Shorney' jshorney@...
> [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>>
>> Knob pointer alignment is in section 5-21 of the manual.
>>
>> Keep it simple and start witht he basics. Verify your soft start as Wally
>> mentioned. Jumper it out if suspicious. These amps have run for decades
>> without
>> them.
>>
>> Attempt tune up by the book. Don't try to tune with the exciter set at a
>> specific power level. Don't tune with dits until you know you have a
>> properly
>> working amp and know how the amp behaves with a carrier. Preset the
>> controls to
>> the band you are on. Start at zero Watts CW and bring up the carrier level
>> until you see the plate current start to rise. It shouldn't take a lot.
>> If you
>> don't see any plate current increase by 50 Watts then you probably have an
>> issue. If you do have a plate current rise then this is a good time to
>> dip the
>> plate current or peak the plate control for maximum Watts on the meter.
>> You
>> should be seeing grid current at this point as well. Tune up normally by
>> adjusting plate, load, and drive level while watching grid and plate
>> current.
>> It sounds complicated but once you get the hang if it you can do it in 30
>> seconds.
>>
>> If you can't get a rise in plate current with CW carrier drive I would
>> check
>> the T/R relay contacts and input circuits first.
>>
>> Once you have an amp that is tuning up correctly with a CW carrier you can
>> experiment with the dits and see how the meters react, etc. I have done
>> this
>> but frankly it gets in my way if I am in a hurry to tune up. 3-500s are
>> some
>> scary tough tubes and will take a surprising amount of abuse for short
>> periods.
>>
>> 73
>>
>> -Jim
>> NU0C
>>
>> On Sun, 18 Feb 2018 14:26:46 -0500, Eric Moore k8cca@sbcglobal.net
>> [DrakeRadio]
>> wrote:
>>
>> >Hey guys, been working on my L4B for a while and finally got it put back

>> together and wired for 240V. When I got a year ago, the power supply caps
>> where puking their guts out, and it was wired for 120V, so I didnG€™t want
>> to run it and then life got in the way, so I just got the upgrades
>> finished. I added the Harbach softstart board from Paul K0UYA, the Harbach
>> PS upgrade, and replaced the glitch resistor with a proper one from
>> Harbach. The amp worked before I started, but now it donG€™t. When the
>> L4B is in standby mode, and I put power from the exciter, I see that power
>> on my external wattmeter (Drake W4). When I key the amp, I see plate
>> current, but no power out and no plate current dip (itG€™s at about .2ma
>> for a second or so a few times, after letting it cool down between
>> attempts).
>> >
>> >I have about 1600 volts on the plate in CW tune mode, and have the AGC
>> set to 0, no external AGC connected. I have the LOADING cap set to 0. I
>> have PaulG€™s K0UYA soft-start board bias set to 4.0 Volts (this amp has
>> newer RF Parts Graphite tubes in it). I have the exciter set to 50Watts
>> (IC-7300) and am keying the amp just fine. Have rig in CW mode, sending
>> dots at 48WPM to further limit duty cycle), the RF output is connected to a
>> Heathkit Cantenna.
>> >
>> >During the refurb, I removed the front panel to clean it up and replaced
>> the blue gel and one of the lamps on the meter. One issue is that I am not
>> 100% sure that I got the PLATE capacitor pointer back in the correct
>> position, it is currently fully meshed at the 10 meter location. I canG€™t
>> seem to find how the plate capacitor should be set for which band.
>> >
>> >I have also found is that center pin of the RF output goes to ground
>> when the relay is pressed. Searching back up the signal chain, I see where
>> there is a connection to ground thru RFC5, so I guess this is to be
>> expected when testing with VOM. So where is my RF going? I donG€™t see
>> anything burned, but there is some evidence of past issues, as the plate
>> capacitor has a little bit of a couple fins that looked melted, but they
>> have been cleaned up and this was here before I started.
>> >
>> >So this is where I am, I am stuck. Not sure what else to look for..
>> Any ideas?
>> >
>> >Thanks,
>> >Eric
>> >K8CCA
>> >
>> >
>> >
>>
>> --
>> The universe we're in will reach absolute zero in three hours. Safe is
>> relative. - Idris, "The Doctor's Wife"
>>
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>> Yahoo Groups Links
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43157. Re: [DrakeRadio] L4-B weight

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 12:23:06 UTC
From: Steve Wedge
Topic: 43154 Message: 43157

The digital ones are reasonably accurate and will continue to display the weight for a few seconds after you remove the box.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Feb 18, 2018, at 20:46, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> You don't have a bathroom scale??!!!
>
>
>
> Must not be married! J
>
>
>
> Joe – W7RKN
>
>
>
> -----Original Message-----
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Sent: Sunday, February 18, 2018 5:42 PM
> To: DrakeRadio
> Subject: [DrakeRadio] L4-B weight
>
>
>
> I have my L4-B up for sale. In case I have to ship it, I need the weight of the PS and amp separately. I can't find it in the manual.
>
> Not necessary to the the ounce but close enough.
>
>
>
> Tnx es 73,
>
>
>
> Bill, K3PGB
>
>
>
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>
> Yahoo Groups Links
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>
> http://groups.yahoo.com/group/DrakeRadio/
>
>
>
> Individual Email | Traditional
>
>
>
> http://groups.yahoo.com/group/DrakeRadio/join
>
> (Yahoo! ID required)
>
>
>
> DrakeRadio-digest@yahoogroups.com
>
> DrakeRadio-fullfeatured@yahoogroups.com
>
>
>
> DrakeRadio-unsubscribe@yahoogroups.com
>
>
>
> https://info.yahoo.com/legal/us/yahoo/utos/terms/
>
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>

43158. Re: [DrakeRadio] R4 series with another manufacturer transmitter..

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 14:00:54 UTC
From: Curt Nixon
Topic: 43135 Message: 43158

Well, yeah....it will work with ANY tx as long as you can get a TR relay going and (ideally) a mute line.

But Since the question was regarding an SB401, I was kind of guessing they were talking about transceive functions. That is more problematic but if the VFO ranges are similar, you should be able to deal with any special level requirements if required. THe range and direction of the VFO needs to be the same.

KU8L

On 02/18/18 5:54 AM, William Pinkava wjpinkava@... [DrakeRadio] wrote:
>
> I have my R4 paired with a DX-40. Works great!
> Bill, AE8EA
>
> Sent from my iPhone
>
> On Feb 17, 2018, at 8:54 PM, bsa0791@...
> <mailto:bsa0791@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> Going to try to pair my R4 with a Heathkit SB401 transmitter. Anyone
>> have any luck doing something similar? This will be for cw only.
>>
>>
>> thank kb4mng nc
>>
>

43159. Re: [DrakeRadio] R4 series with another manufacturer transmitter..

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 14:24:55 UTC
From: amfone
Topic: 43135 Message: 43159

Curt good seeing you yesterday at the swap!
TimWB8UHZ

On Monday, February 19, 2018, 9:11:30 AM EST, Curt Nixon captcurt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Well, yeah....it will work with ANY tx as long as you can get a TR relay going and (ideally) a mute line.

But Since the question was regarding an SB401, I was kind of guessing they were talking about transceive functions. That is more problematic but if the VFO ranges are similar, you should be able to deal with any special level requirements if required. THe range and direction of the VFO needs to be the same.

KU8L

On 02/18/18 5:54 AM, William Pinkava wjpinkava@... [DrakeRadio] wrote:

I have my R4 paired with a DX-40. Works great!
Bill, AE8EA

Sent from my iPhone
On Feb 17, 2018, at 8:54 PM, bsa0791@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Going to try to pair my R4 with a Heathkit SB401 transmitter. Anyone have any luck doing something similar? This will be for cw only.

thank kb4mng nc

43160. Re: [DrakeRadio] L4-B weight

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 14:32:14 UTC
From: Bill Abate
Topic: 43154 Message: 43160

Thank you for finding that for me.? I went to Ron's site but did not look in the right spot.? I appreciate your willingness to help out.? Nice to be able to count on the truly courteous members of this great list.

73,

Bill, K3PGB

Richard Knoppow wrote:
?? See the data sheet at:
http://www.wb4hfn.com/DRAKE/DrakeCatalogsBrochures/Brochure_L4B_02.htm

?? Gives weight as:
Amplifier, 32 lbs
Power supply, 43 lbs

??? This appears to be net weight, not shipping weight.

On 2/18/2018 5:42 PM, Bill Abate wabate@... [DrakeRadio] wrote:

I have my L4-B up for sale.? In case I have to ship it, I need the
weight of the PS and amp separately.? I can't find it in the manual.
Not necessary to the the ounce but close enough.

Tnx es 73,

Bill, K3PGB

43161. Re: [DrakeRadio] R4 series with another manufacturer transmitter..

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 15:41:00 UTC
From: Curt Nixon
Topic: 43135 Message: 43161

Yes, you too Tim:

I was really glad to see that the quality of table-top equipment for sale seemed to be the best in several years.

All I took home was a UHF version AM-6155 Amp. COuldn't pass on it for $50.

Curt

On 02/19/18 9:24 AM, amfone amfone20000@... [DrakeRadio] wrote:
> Curt good seeing you yesterday at the swap!
>
> Tim
> WB8UHZ
>
>
> On Monday, February 19, 2018, 9:11:30 AM EST, Curt Nixon
> captcurt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Well, yeah....it will work with ANY tx as long as you can get a TR
> relay going and (ideally) a mute line.
>
> But Since the question was regarding an SB401, I was kind of guessing
> they were talking about transceive functions. That is more problematic
> but if the VFO ranges are similar, you should be able to deal with any
> special level requirements if required. THe range and direction of
> the VFO needs to be the same.
>
> KU8L
>
> On 02/18/18 5:54 AM, William Pinkava wjpinkava@...
> <mailto:wjpinkava@...> [DrakeRadio] wrote:
>>
>> I have my R4 paired with a DX-40. Works great!
>> Bill, AE8EA
>>
>> Sent from my iPhone
>>
>> On Feb 17, 2018, at 8:54 PM, bsa0791@...
>> <mailto:bsa0791@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>>> Going to try to pair my R4 with a Heathkit SB401 transmitter. Anyone
>>> have any luck doing something similar? This will be for cw only.

>>>
>>>
>>> thank kb4mng nc
>>>
>
>

43162. Re: [DrakeRadio] R4 series with another manufacturer transmitter..

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 15:49:36 UTC
From: amfone
Topic: 43135 Message: 43162

Yes I was thinking about asking on the price of the TR4C as it was my first rig but I pulled myself away from it. Hi Hi.
73 TimWB8UHZ

On Monday, February 19, 2018, 10:41:24 AM EST, Curt Nixon <captcurt@...> wrote:

Yes, you too Tim:

I was really glad to see that the quality of table-top equipment for sale seemed to be the best in several years.

All I took home was a UHF version AM-6155 Amp. COuldn't pass on it for $50.

Curt

On 02/19/18 9:24 AM, amfone amfone20000@... [DrakeRadio] wrote:

  Curt good seeing you yesterday at the swap!
Tim WB8UHZ

On Monday, February 19, 2018, 9:11:30 AM EST, Curt Nixon captcurt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Well, yeah....it will work with ANY tx as long as you can get a TR relay going and (ideally) a mute line.

But Since the question was regarding an SB401, I was kind of guessing they were talking about transceive functions. That is more problematic but if the VFO ranges are similar, you should be able to deal with any special level requirements if required. THe range and direction of the VFO needs to be the same.

KU8L

On 02/18/18 5:54 AM, William Pinkava wjpinkava@yahoo.com [DrakeRadio] wrote:

I have my R4 paired with a DX-40. Works great!
Bill, AE8EA

Sent from my iPhone
On Feb 17, 2018, at 8:54 PM, bsa0791@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Going to try to pair my R4 with a Heathkit SB401 transmitter. Anyone have any luck doing something similar? This will be for cw only.

thank kb4mng nc

43163. Re: [DrakeRadio] R4 series with another manufacturer transmitter..

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 16:05:39 UTC
From: Curt Nixon
Topic: 43135 Message: 43163

The one on the table next to me I think he was asking 400. The C
line with the Sherwood mods in it including the prod detector, audio,
etc was asking 600.

Curt
KU8L

On 02/19/18 10:49 AM, amfone wrote:
> Yes I was thinking about asking on the price of the TR4C as it was my
> first rig but I pulled myself away from it. Hi Hi.
>
> 73 Tim
> WB8UHZ
>
>
> On Monday, February 19, 2018, 10:41:24 AM EST, Curt Nixon
> <captcurt@...> wrote:
>
>
> Yes, you too Tim:
>
> I was really glad to see that the quality of table-top equipment for
> sale seemed to be the best in several years.
>
> All I took home was a UHF version AM-6155 Amp. COuldn't pass on it for
> $50.
>
> Curt
>
> On 02/19/18 9:24 AM, amfone amfone20000@...
> <mailto:amfone20000@...> [DrakeRadio] wrote:
>> Curt good seeing you yesterday at the swap!
>>
>> Tim
>> WB8UHZ
>>
>>
>> On Monday, February 19, 2018, 9:11:30 AM EST, Curt Nixon
>> captcurt@... <mailto:captcurt@...> [DrakeRadio]
>> <DrakeRadio@yahoogroups.com> <mailto:DrakeRadio@yahoogroups.com> wrote:
>>
>>
>> Well, yeah....it will work with ANY tx as long as you can get a TR
>> relay going and (ideally) a mute line.
>>

>> But Since the question was regarding an SB401, I was kind of guessing
>> they were talking about transceive functions. That is more
>> problematic but if the VFO ranges are similar, you should be able to
>> deal with any special level requirements if required. THe range and
>> direction of the VFO needs to be the same.
>>
>> KU8L
>>
>> On 02/18/18 5:54 AM, William Pinkava wjpinkava@...
>> <mailto:wjpinkava@...> [DrakeRadio] wrote:
>>>
>>> I have my R4 paired with a DX-40. Works great!
>>> Bill, AE8EA
>>>
>>> Sent from my iPhone
>>>
>>> On Feb 17, 2018, at 8:54 PM, bsa0791@...
>>> <mailto:bsa0791@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
>>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>>
>>>> Going to try to pair my R4 with a Heathkit SB401 transmitter.
>>>> Anyone have any luck doing something similar? This will be for cw only.
>>>>
>>>>
>>>> thank kb4mng nc
>>>>
>>
>>
>

43164. Re: [DrakeRadio] R4 series with another manufacturer transmitter..

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 16:29:04 UTC
From: amfone
Topic: 43135 Message: 43164

OK thanks Kurt very much, I'm not sure what a TR4C goes for these days, wonder if that was with the AC4.
Tim

On Monday, February 19, 2018, 11:22:48 AM EST, Curt Nixon captcurt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

The one on the table next to me I think he was asking 400. The C line with the Sherwood mods in it including the prod detector, audio, etc was asking 600.

Curt
KU8L

On 02/19/18 10:49 AM, amfone wrote:

Yes I was thinking about asking on the price of the TR4C as it was my first rig but I pulled myself away from it. Hi Hi.
73 Tim WB8UHZ

On Monday, February 19, 2018, 10:41:24 AM EST, Curt Nixon <captcurt@...> wrote:

Yes, you too Tim:

I was really glad to see that the quality of table-top equipment for sale seemed to be the best in several years.

All I took home was a UHF version AM-6155 Amp. COuldn't pass on it for $50.

Curt

On 02/19/18 9:24 AM, amfone amfone20000@... [DrakeRadio] wrote:

  Curt good seeing you yesterday at the swap!
Tim WB8UHZ

On Monday, February 19, 2018, 9:11:30 AM EST, Curt Nixon captcurt@flash.net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Well, yeah....it will work with ANY tx as long as you can get a TR relay going and (ideally) a mute line.

But Since the question was regarding an SB401, I was kind of guessing they were talking about transceive functions. That is more problematic but if the VFO ranges are similar, you should be able to deal with any special level requirements if required. THe range and direction of the VFO needs to be the same.

KU8L

On 02/18/18 5:54 AM, William Pinkava wjpinkava@... [DrakeRadio] wrote:

I have my R4 paired with a DX-40. Works great!
Bill, AE8EA

Sent from my iPhone
On Feb 17, 2018, at 8:54 PM, bsa0791@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Going to try to pair my R4 with a Heathkit SB401 transmitter. Anyone have any luck doing something similar? This will be for cw only.

thank kb4mng nc

43165. Re: [DrakeRadio] R4 series with another manufacturer transmitter..

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 17:06:11 UTC
From: Brian Allen
Topic: 43135 Message: 43165

I will not be able to transceive with the 401/r4. The 401 has a spot feature so i will be able to use that. Thankfully it is compatiable with the mute option on the 401. I have them hooked up and working. Just need to make a contact to see if it actually works..

kb4mng

43166. Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 19:20:52 UTC
From: Wayne Bethoney
Topic: 43166 Message: 43166

This is terrible news.

From: Collins <collins-bounces+wbethoney=hotmail.com@...> on behalf of Tony Vitolo via Collins <collins@...>
Sent: Monday, February 19, 2018 2:18 PM
To: Collins Reflector
Subject: {Collins} K4OAH SK

It is with deep sadness to report that Garey Barrell K4OAH became a
silent key last night.

Tony Vitolo W4AV
Grayson GA.

P.S. Would somebody please post this on the Drake reflector
*** You are subscribed to Collins as wbethoney@.... If you wish to unsubscribe, or modify your preferences please visit https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0 ***

43167. Re: Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 19:29:27 UTC
From: Hal Dale
Topic: 43166 Message: 43167

Also sad news here....I have called Garey friend for many years....Hal/WB4AEG

43168. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 19:30:26 UTC
From: Barry
Topic: 43166 Message: 43168

Very sad. I don't know if I ever met him in person (he lived here in Huntsville, AL, in the '60s so I might have) but always enjoyed his posts and helpful, friendly advice. He is missed.

Barry - N4BUQ

----- Original Message -----
> From: "Wayne Bethoney wbethoney@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Monday, February 19, 2018 1:20:52 PM
> Subject: [DrakeRadio] Fw: {Collins} K4OAH SK
>
> This is terrible news.
>
>
> _____
> From: Collins <collins-bounces+wbethoney=hotmail.com@...> on behalf
> of Tony Vitolo via Collins <collins@...>
> Sent: Monday, February 19, 2018 2:18 PM
> To: Collins Reflector
> Subject: {Collins} K4OAH SK
>
> It is with deep sadness to report that Garey Barrell K4OAH became a
> silent key last night.
>
> Tony Vitolo W4AV
> Grayson GA.
>
> P.S. Would somebody please post this on the Drake reflector
> *** You are subscribed to Collins as wbethoney@.... If you wish to
> unsubscribe, or modify your preferences please visit
> https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0
> ***
>

43169. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 19:32:11 UTC
From: VE7PS
Topic: 43169 Message: 43169

Indeed, this is a sad day I feared was coming.? His expertise in Drake Radios, especially the 4-line, was unparalleled and we will all miss him terribly.? He has left us his legacy in his technical documents and many, many, posts that helped all of us in the Drakelist archives.? He will NOT be forgotten.

RIP my friend.? Your key may be silent, but your memory lives on forever.

Peter
VE7PS

On 2/19/2018 11:20 AM, Wayne Bethoney wbethoney@... [DrakeRadio] wrote:
>
> This is terrible news.
>
>
>
> ---
> *From:* Collins <collins-bounces+wbethoney=hotmail.com@...>
> on behalf of Tony Vitolo via Collins <collins@...>
> *Sent:* Monday, February 19, 2018 2:18 PM
> *To:* Collins Reflector
> *Subject:* {Collins} K4OAH SK
> It is with deep sadness to report that Garey Barrell K4OAH became a
> silent key last night.
>
> Tony Vitolo W4AV
> Grayson GA.
>
> P.S. Would somebody please post this on the Drake reflector
> *** You are subscribed to Collins as wbethoney@.... If you
> wish to unsubscribe, or modify your preferences please visit
> https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0
> ***
>

This email has been checked for viruses by AVG.
http://www.avg.com

43170. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 19:34:50 UTC
From: Richard Knoppow
Topic: 43166 Message: 43170

I am appalled, I never met Garey in person but considered
him a friend. I am so sorry to hear this, it was what I was
afraid of.

On 2/19/2018 11:20 AM, Wayne Bethoney wbethoney@...
[DrakeRadio] wrote:
>
>
> This is terrible news.
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43171. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 19:41:40 UTC
From: Wayne Smith
Topic: 43169 Message: 43171

Thank you Garey. You will be missed.

Prayers for the family
K5FEX
OKC.

Wayne Smith

Sent from my iPhone

> On Feb 19, 2018, at 1:32 PM, VE7PS ve7ps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Indeed, this is a sad day I feared was coming. His expertise in Drake Radios, especially the 4-line, was unparalleled and we will all miss him terribly. He has left us his legacy in his technical documents and many, many, posts that helped all of us in the Drakelist archives. He will NOT be forgotten.
>
> RIP my friend. Your key may be silent, but your memory lives on forever.
>
> Peter
> VE7PS
>
>> On 2/19/2018 11:20 AM, Wayne Bethoney wbethoney@hotmail.com [DrakeRadio] wrote:
>>
>> This is terrible news.
>>
>>
>> From: Collins <collins-bounces+wbethoney=hotmail.com@...> on behalf of Tony Vitolo via Collins <collins@...>
>> Sent: Monday, February 19, 2018 2:18 PM
>> To: Collins Reflector
>> Subject: {Collins} K4OAH SK
>>
>> It is with deep sadness to report that Garey Barrell K4OAH became a
>> silent key last night.
>>
>> Tony Vitolo W4AV
>> Grayson GA.
>>
>> P.S. Would somebody please post this on the Drake reflector
>> *** You are subscribed to Collins as wbethoney@.... If you wish to unsubscribe, or modify your preferences please visit https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0 ***

>
>
> Virus-free. www.avg.com
>

43172. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 19:42:38 UTC
From: Evan
Topic: 43166 Message: 43172

Yes, it is terrible news. He was an encouragement to me and he will be greatly missed by many!

Looking forward to seeing you Garey in Heaven above...

73,

Evan, K9SQG

-----Original Message-----
From: Wayne Bethoney wbethoney@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Mon, Feb 19, 2018 2:21 pm
Subject: [DrakeRadio] Fw: {Collins} K4OAH SK

This is terrible news.

From: Collins <collins-bounces+wbethoney=hotmail.com@listserve.com> on behalf of Tony Vitolo via Collins <collins@...>
Sent: Monday, February 19, 2018 2:18 PM
To: Collins Reflector
Subject: {Collins} K4OAH SK

It is with deep sadness to report that Garey Barrell K4OAH became a
silent key last night.

Tony Vitolo W4AV
Grayson GA.

P.S. Would somebody please post this on the Drake reflector
*** You are subscribed to Collins as wbethoney@.... If you wish to unsubscribe, or modify your preferences please visithttps://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0 ***

43173. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 19:52:42 UTC
From: Wayne Smith
Topic: 43166 Message: 43173

Amen Evan!

Hope to see all of you there!

Wayne Smith

Sent from my iPhone

> On Feb 19, 2018, at 1:42 PM, Evan k9sqg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Yes, it is terrible news. He was an encouragement to me and he will be greatly missed by many!
>
>
> Looking forward to seeing you Garey in Heaven above...
>
> 73,
>
> Evan, K9SQG
>
>
> -----Original Message-----
> From: Wayne Bethoney wbethoney@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>
> Sent: Mon, Feb 19, 2018 2:21 pm
> Subject: [DrakeRadio] Fw: {Collins} K4OAH SK
>
>
> This is terrible news.
>
>
> From: Collins <collins-bounces+wbethoney=hotmail.com@...> on behalf of Tony Vitolo via Collins <collins@...>
> Sent: Monday, February 19, 2018 2:18 PM
> To: Collins Reflector
> Subject: {Collins} K4OAH SK
>
> It is with deep sadness to report that Garey Barrell K4OAH became a
> silent key last night.
>
> Tony Vitolo W4AV
> Grayson GA.
>
> P.S. Would somebody please post this on the Drake reflector
> *** You are subscribed to Collins as wbethoney@.... If you wish to unsubscribe, or modify

your preferences please visit https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0 ***
>

43174. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 19:57:31 UTC
From: Barry
Topic: 43166 Message: 43174

If I'm correct with what I'm seeing, it looks like his brother, Craig, passed just this past July (Craig was 9 days older than me). Rough time for the family.

Barry - N4BUQ

----- Original Message -----
> From: "Wayne Bethoney wbethoney@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Monday, February 19, 2018 1:20:52 PM
> Subject: [DrakeRadio] Fw: {Collins} K4OAH SK
>
> This is terrible news.
>
>
> _____
> From: Collins <collins-bounces+wbethoney=hotmail.com@...> on behalf
> of Tony Vitolo via Collins <collins@...>
> Sent: Monday, February 19, 2018 2:18 PM
> To: Collins Reflector
> Subject: {Collins} K4OAH SK
>
> It is with deep sadness to report that Garey Barrell K4OAH became a
> silent key last night.
>
> Tony Vitolo W4AV
> Grayson GA.
>
> P.S. Would somebody please post this on the Drake reflector
> *** You are subscribed to Collins as wbethoney@.... If you wish to
> unsubscribe, or modify your preferences please visit
> https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0
> ***
>

43175. K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 19:59:25 UTC
From: Joe
Topic: 43169 Message: 43175

Even though we thought it was coming, it is still a deep shock.

Was Garey married? Have children involved in amateur radio?

His CD's are a valuable legacy to the man, I would hate to see them disappear with his passing.

If we can gain access to the library, I was thinking we, as a group, could still offer them for a fee and make sure the funds go to his widow/children/family, etc.

I think we could set something up through eBay and PayPal so that once the manager of the account verifies the funds, a sales key could be sent and the purchaser would be able to download that CD.

As the Co-Owner of the group, I never thought about that aspect here, I have always considered myself the 'janitor' if you will and Garey the boss.

If anyone can offer up any family information, it would be really helpful.

Garey, It has been a pleasure...R.I.P. my friend!

Joe Wolfe - W7RKN
Reno, Nevada

43176. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 20:11:06 UTC
From: Barry
Topic: 43169 Message: 43176

This is the obit for what I think was his brother so it offers some family info:

http://www.woodlawncremations.com/obituaries/Craig-Vaughn-Barrell?obId=2106672#/obituaryInfo

Again, though, I don't know for sure if this was our Garey Barrell but I think so.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Joe w7rkn.7@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com, "Richard Knoppow" <1oldlens1@...>
> Sent: Monday, February 19, 2018 1:59:25 PM
> Subject: [DrakeRadio] K4OAH SK
>
> Even though we thought it was coming, it is still a deep shock.
>
> Was Garey married? Have children involved in amateur radio?
>
> His CD's are a valuable legacy to the man, I would hate to see them
> disappear with his passing.
>
> If we can gain access to the library, I was thinking we, as a group, could
> still offer them for a fee and make sure the funds go to his
> widow/children/family, etc.
>
> I think we could set something up through eBay and PayPal so that once the
> manager of the account verifies the funds, a sales key could be sent and the
> purchaser would be able to download that CD.
>
> As the Co-Owner of the group, I never thought about that aspect here, I have
> always considered myself the 'janitor' if you will and Garey the boss.
>
> If anyone can offer up any family information, it would be really helpful.
>
> Garey, It has been a pleasure...R.I.P. my friend!
>
> Joe Wolfe - W7RKN
> Reno, Nevada
>
>
>
> ------------------------------------
> Posted by: Joe <w7rkn.7@...>
> ------------------------------------

>
>
> ---
>
> Yahoo Groups Links
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>

43177. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 20:18:30 UTC
From: Steve Wedge
Topic: 43169 Message: 43177

Rest in peace, my friend. Though I never met you in person, I felt as if I knew you. His expertise and his wit will be missed.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Mon, Feb 19, 2018 at 2:32 PM, VE7PS ve7ps@... [DrakeRadio] <DrakeRadio@...m> wrote:

>
>
> Indeed, this is a sad day I feared was coming. His expertise in Drake
> Radios, especially the 4-line, was unparalleled and we will all miss him
> terribly. He has left us his legacy in his technical documents and many,
> many, posts that helped all of us in the Drakelist archives. He will NOT
> be forgotten.
>
> RIP my friend. Your key may be silent, but your memory lives on forever.
>
> Peter
> VE7PS
>
> On 2/19/2018 11:20 AM, Wayne Bethoney wbethoney@... [DrakeRadio]
> wrote:
>
>
>
> This is terrible news.
>
>
> ------------------------------
> *From:* Collins <collins-bounces+wbethoney=hotmail.com@...>
> <collins-bounces+wbethoney=hotmail.com@...> on behalf of Tony
> Vitolo via Collins <collins@...> <collins@...>
> *Sent:* Monday, February 19, 2018 2:18 PM
> *To:* Collins Reflector
> *Subject:* {Collins} K4OAH SK
>
> It is with deep sadness to report that Garey Barrell K4OAH became a
> silent key last night.
>
> Tony Vitolo W4AV
> Grayson GA.
>
> P.S. Would somebody please post this on the Drake reflector

> *** You are subscribed to Collins as wbethoney@.... If you wish
> to unsubscribe, or modify your preferences please visit
> https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.
> listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%
> 7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaa
> aaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrW
> jV4muKdDpNjSA%3D&reserved=0 ***
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> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient> Virus-free.
> www.avg.com
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
> <#m_-5037784346982801369_DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>
>
>

43178. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 20:23:36 UTC
From: Bill Houghton
Topic: 43166 Message: 43178

I am very saddened to hear of Garey's passing. He was so helpful to so many people on this forum. He helped me get a couple of rigs up and running. His depth of knowledge of Drakes was amazing! He will be greatly missed.
Bill, WA6NEQ

From: "Wayne Bethoney wbethoney@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>
Sent: Monday, February 19, 2018 11:21 AM
Subject: [DrakeRadio] Fw: {Collins} K4OAH SK

  This is terrible news.

From: Collins <collins-bounces+wbethoney=hotmail.com@...> on behalf of Tony Vitolo via Collins <collins@...>
Sent: Monday, February 19, 2018 2:18 PM
To: Collins Reflector
Subject: {Collins} K4OAH SK It is with deep sadness to report that Garey Barrell K4OAH became a
silent key last night.

Tony Vitolo W4AV
Grayson GA.

P.S. Would somebody please post this on the Drake reflector
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43179. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 20:34:47 UTC
From: Henry L. Dorkin
Topic: 43179 Message: 43179

If the mark of a man is measured by how many people he has helped, and multiplied by how this was done selflessly and cheerfully, then Gary certainly has left an indelible mark upon the Drake community in general and all of us individually. As already has been said, he certainly has my thanks for a "job well done."

Hank
WM1V

Rest in peace, my friend. Though I never met you in person, I felt as if I knew you. His expertise and his wit will be missed.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Mon, Feb 19, 2018 at 2:32 PM, VE7PS ve7ps@telus.net [DrakeRadio] DrakeRadio@yahoogroups.com wrote:

Indeed, this is a sad day I feared was coming. His expertise in Drake Radios, especially the 4-line, was unparalleled and we will all miss him terribly. He has left us his legacy in his technical documents and many, many, posts that helped all of us in the Drakelist archives. He will NOT be forgotten.

RIP my friend. Your key may be silent, but your memory lives on forever.

Peter
VE7PS

On 2/19/2018 11:20 AM, Wayne Bethoney wbethoney@hotmail.com [DrakeRadio] wrote:

This is terrible news.

From: Collins collins-bounces+wbethoney=hotmail.com@listserve.com on behalf of Tony Vitolo via Collins collins@listserve.com
Sent: Monday, February 19, 2018 2:18 PM
To: Collins Reflector
Subject: {Collins} K4OAH SK

It is with deep sadness to report that Garey Barrell K4OAH became a
silent key last night.

Tony Vitolo W4AV
Grayson GA.

P.S. Would somebody please post this on the Drake reflector
*** You are subscribed to Collins as wbethoney@hotmail.com. If you wish to unsubscribe, or modify your preferences please visit https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollinsdata=02%7C01%7C%7Cad4

01f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3Dreserved=0 ***

Virus-free. www.avg.com

43180. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 20:58:29 UTC
From: Bob Loving
Topic: 43166 Message: 43180

God speed, Garey. ..._._
Bob K9JU

On Monday, February 19, 2018 2:52 PM, "Wayne Smith oilieone@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

  Amen Evan!
Hope to see all of you there!

Wayne Smith
Sent from my iPhone
On Feb 19, 2018, at 1:42 PM, Evan k9sqg@arrl.net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

  Yes, it is terrible news. He was an encouragement to me and he will be greatly missed by many!
Looking forward to seeing you Garey in Heaven above...
73,
Evan, K9SQG

-----Original Message-----
From: Wayne Bethoney wbethoney@hotmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Mon, Feb 19, 2018 2:21 pm
Subject: [DrakeRadio] Fw: {Collins} K4OAH SK

  This is terrible news.

From: Collins <collins-bounces+wbethoney=hotmail.com@...> on behalf of Tony Vitolo via Collins <collins@...>
Sent: Monday, February 19, 2018 2:18 PM
To: Collins Reflector
Subject: {Collins} K4OAH SK It is with deep sadness to report that Garey Barrell K4OAH became a
silent key last night.

Tony Vitolo W4AV
Grayson GA.

P.S. Would somebody please post this on the Drake reflector
*** You are subscribed to Collins as wbethoney@hotmail.com. If you wish to unsubscribe, or modify your preferences please visithttps://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0 ***

43181. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 21:04:23 UTC
From: Kc9cdt@...
Topic: 43166 Message: 43181

Garey...rest in peace...I will miss you...
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Bill Houghton rdrbill@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Wayne Bethoney <wbethoney@...>
Sent: Mon, Feb 19, 2018 3:23 pm
Subject: Re: [DrakeRadio] Fw: {Collins} K4OAH SK

I am very saddened to hear of Garey's passing. He was so helpful to so many people on this forum. He helped me get a couple of rigs up and running. His depth of knowledge of Drakes was amazing! He will be greatly missed.

Bill, WA6NEQ

From: "Wayne Bethoney wbethoney@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>
Sent: Monday, February 19, 2018 11:21 AM
Subject: [DrakeRadio] Fw: {Collins} K4OAH SK

This is terrible news.

From: Collins <collins-bounces+wbethoney=hotmail.com@...> on behalf of Tony Vitolo via Collins <collins@...>
Sent: Monday, February 19, 2018 2:18 PM
To: Collins Reflector
Subject: {Collins} K4OAH SK

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43182. RE: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 21:24:54 UTC
From: Bob Novas
Topic: 43166 Message: 43182

73’s Gary.

Bob W3DK

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Monday, February 19, 2018 3:58 PM
To: DrakeRadio@yahoogroups.com; Evan; Wayne Smith
Cc: wbethoney@...
Subject: Re: [DrakeRadio] Fw: {Collins} K4OAH SK

God speed, Garey.

...._._

Bob K9JU

On Monday, February 19, 20 18 2:52 PM, "Wayne Smith oilieone@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

Amen Evan!

Hope to see all of you there!

Wayne Smith

Sent from my iPhone

On Feb 19, 2018, at 1:42 PM, Evan k9sqg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Yes, it is terrible news. He was an encouragement to me and he will be greatly missed by many!

Looking forward to seeing you Garey in Heaven above...

73,

Evan, K9SQG

-----Original Message-----
From: Wayne Bethoney wbethoney@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Mon, Feb 19, 2018 2:21 pm
Subject: [DrakeRadio] Fw: {Collins} K4OAH SK

This is terrible news.

_____

From: Collins <collins-bounces+wbethoney=hotmail.com@...> on behalf of Tony Vitolo via Collins <collins@...>
Sent: Monday, February 19, 2018 2:18 PM
To: Collins Reflector
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Grayson GA.

P.S. Would somebody please post this on the Drake reflector
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43183. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 21:33:51 UTC
From: Ray Collins
Topic: 43169 Message: 43183

blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid !important; padding-left:1ex !important; background-color:white !important; } Sad day, always helpful, he is missed.

Sent from Yahoo Mail for iPad

On Monday, February 19, 2018, 3:35 PM, 'Henry L. Dorkin' dorkinh@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

If the mark of a man is measured by how many people he has helped, and multiplied by how this was done selflessly and cheerfully, then Gary certainly has left an indelible mark upon the Drake community in general and all of us individually. As already has been said, he certainly has my thanks for a "job well done."

Hank
WM1V

Rest in peace, my friend. Though I never met you in person, I felt as if I knew you. His expertise and his wit will be missed.
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.
On Mon, Feb 19, 2018 at 2:32 PM, VE7PS ve7ps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Indeed, this is a sad day I feared was coming. His expertise in Drake Radios, especially the 4-line, was unparalleled and we will all miss him terribly. He has left us his legacy in his technical documents and many, many, posts that helped all of us in the Drakelist archives. He will NOT be forgotten.

RIP my friend. Your key may be silent, but your memory lives on forever.

Peter
VE7PS

On 2/19/2018 11:20 AM, Wayne Bethoney wbethoney@... [DrakeRadio] wrote:

This is terrible news.

From: Collins <collins-bounces+wbethoney= hotmail.com@...> on behalf of Tony Vitolo via Collins <collins@...>
Sent: Monday, February 19, 2018 2:18 PM
To: Collins Reflector
Subject: {Collins} K4OAH SK   It is with deep sadness to report that Garey Barrell K4OAH became a
silent key last night.

Tony Vitolo W4AV
Grayson GA.

P.S. Would somebody please post this on the Drake reflector
*** You are subscribed to Collins as wbethoney@.... If you wish to unsubscribe, or modify your preferences please visit https://nam01.safelinks. protection.outlook.com/?url= https%3A%2F%2Fmailman. listserve.com%2Flistmanager% 2Flistinfo%2Fcollins&data=02% 7C01%7C% 7Cad401f3c10f04520885308d577cd acd4% 7C84df9e7fe9f640afb435aaaaaaaa aaaa%7C1%7C0% 7C636546647600238173&sdata= XvMCviC9S55dc156ICQdHSW8tjqhrW jV4muKdDpNjSA%3D&reserved=0 ***

| | Virus-free. www.avg.com |

43184. Re: K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 21:45:05 UTC
From: Don Hawkins
Topic: 43169 Message: 43184

Ugh, this sucks.
Hams and Rock Stars keep passing away, while politicians seem to go on forever. Wish it were the reverse.RIP Garey.

Don - W7DAH

43185. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 22:30:46 UTC
From: Iz Oos
Topic: 43166 Message: 43185

Garey has been very much helpful and allowed me to have a Drake T-4XB as my first radio in the 2K era and last weekend had my CW ARRL contest with that Drake ... He was a really human resource!
Thank you Garey,Franco IZ2OOS

Il Lunedì 19 Febbraio 2018 22:49, "Kc9cdt@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> ha scritto:

  Garey...rest in peace...I will miss you...Lee

Lee SimmondsSummit DCS 260-403-6936 Cell

-----Original Message-----
From: Bill Houghton rdrbill@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Wayne Bethoney <wbethoney@...>
Sent: Mon, Feb 19, 2018 3:23 pm
Subject: Re: [DrakeRadio] Fw: {Collins} K4OAH SK

  I am very saddened to hear of Garey's passing. He was so helpful to so many people on this forum. He helped me get a couple of rigs up and running. His depth of knowledge of Drakes was amazing! He will be greatly missed.
Bill, WA6NEQ

From: "Wayne Bethoney wbethoney@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>
Sent: Monday, February 19, 2018 11:21 AM
Subject: [DrakeRadio] Fw: {Collins} K4OAH SK

  This is terrible news.

From: Collins <collins-bounces+wbethoney=hotmail.com@...> on behalf of Tony Vitolo via Collins <collins@...>
Sent: Monday, February 19, 2018 2:18 PM
To: Collins Reflector
Subject: {Collins} K4OAH SK It is with deep sadness to report that Garey Barrell K4OAH became a
silent key last night.

Tony Vitolo W4AV
Grayson GA.

P.S. Would somebody please post this on the Drake reflector
*** You are subscribed to Collins as wbethoney@.... If you wish to unsubscribe, or modify your preferences please visithttps://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0 ***

43186. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 23:39:00 UTC
From: blumu
Topic: 43166 Message: 43186

When a hero like Garey falls, another or others who knew him well
will take up the flag and forge ahead to honor him and the cause
to which he devoted so much and which so many of us treasure.

Michael UK
2E0IHW
.....

> On Feb 19, 2018, at 1:42 PM, Evan k9sqg@... <mailto:k9sqg@...>
> [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>> Yes, it is terrible news. He was an encouragement to me and he will
>> be greatly missed by many!
>> Looking forward to seeing you Garey in Heaven above...
>> 73,
>> Evan, K9SQG
>> ----------

>> *Sent:* Monday, February 19, 2018 2:18 PM
>> *Subject:* {Collins} K4OAH SK
>> It is with deep sadness to report that Garey Barrell K4OAH became a
>> silent key last night.
>> Tony Vitolo W4AV

43187. Gary K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 23:48:35 UTC
From: keith evans
Topic: 43187 Message: 43187

What sad news, he was taken far too early, RIP Gary.

I am sure all the Drake owners over here feel the same.

73 my friend

Keith G3VKW

43188. R-4A s-meter issue

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 22:27:53 UTC
From: hwfoglesong@...
Topic: 43188 Message: 43188

I just finished restoring and aligning a old version (13 tube) R-4A receiver. It now works very well. I do have one minor issue, though, that I am curious about:

I set the s-meter adjustments when the receiver was warm. When I subsequently turn the receiver on (no antenna, preselecter detuned), the s-meter reads about s-9, and takes about 7 minutes to work itself back to an s-1 reading where it stabilizes. I at first thought this was due to a warmup cycle for the whole receiver, but the next time I turned it on (after a long delay) I tracked the signal drift and bandpass operation, and both were stable from startup, while the s-meter again took it's time stabilizing. I then turned off the receiver and IMMEDIATELY turned it back on again, and the s-meter again read s-9 and took about 7 minutes to stabilize at s-1. It does this repeatedly.

This is clearly not a serious issue, but I am curious about what might be causing the s-meter delay when the receiver is so stable. If anyone can shed some light on this for me, please let me know.

43189. Re: K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 00:50:30 UTC
From: Richard Knoppow
Topic: 43169 Message: 43189

On 2/19/2018 12:44 PM, Richard Knoppow wrote:
> ?? I think this is an excellent idea. For some reason I thought
> Garey was married but don't know. If he was this must be a very
> difficult time for his wife.
> ?? I think a measure of his quality is how much it has affected
> all of us.
>
>
> On 2/19/2018 11:59 AM, Joe wrote:
>> Even though we thought it was coming, it is still a deep shock.
>>
>> Was Garey married?? Have children involved in amateur radio?
>>
>> His CD's are a valuable legacy to the man, I would hate to see
>> them
>> disappear with his passing.
>>
>> If we can gain access to the library, I was thinking we, as a
>> group, could
>> still offer them for a fee and make sure the funds go to his
>> widow/children/family, etc.
>>
>> I think we could set something up through eBay and PayPal so
>> that once the
>> manager of the account verifies the funds, a sales key could be
>> sent and the
>> purchaser would be able to download that CD.
>>
>> As the Co-Owner of the group, I never thought about that aspect
>> here, I have
>> always considered myself the 'janitor' if you will and Garey
>> the boss.
>>
>> If anyone can offer up any family information, it would be
>> really helpful.
>>
>> Garey, It has been a pleasure...R.I.P. my friend!
>>
>> Joe Wolfe - W7RKN
>> Reno, Nevada
>>
>>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43190. K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 01:04:20 UTC
From: Whitebear1122
Topic: 43169 Message: 43190

Sigh… We'll certainly miss Garey's presence here. I bought one of his T-4XC/R4C radios four or five years ago. It looks like it just came from the factory and has been a delight to use. Picture is on my QRZ.COM <http://qrz.com/> page.

Before we knew Garey as Mr. Drake, he was Mr. RTTY back in the 60's thru 80's. He and Irv Hoff W6FFC were good friends and those guys were part of a big group that ran 20 meter RTTY Autostart in the early to mid 70's. I was big in RTTY from 1972 through 78 so I might have QSO'd Garey at one time. He published an article in Ham Radio Magazine in the mid to later 70's about his DT-600 RTTY Terminal Unit that he designed and sold. I clearly remember the DT-600 article when he told me about it.

I don't know where he acquired all his Drake knowledge. I asked him once but I don't think he answered me :)

Thanks Garey, it was great knowing you. 73, Scott WA9WFA

43191. Re: K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 01:07:19 UTC
From: johng101501@...
Topic: 43169 Message: 43191

Yes , it didn't matter to him if you were a newbie or an experienced tech, Gary would always help a person in need of a hand to bring another Drake back in service- great guy! I, too do not want to see his service cds fall by the wayside. RIP Garey

43192. Garey

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 01:10:37 UTC
From: va3mgn@...
Topic: 22182 Message: 43192

You came into our lives with clarity, knowledge, patience and understanding. Thank you Garey for these gifts and all you have given. I am sorry we have never met in person. You my friend and will be terribly missed. Matt, VA3MGN

43193. Re: R-4A s-meter issue

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 01:14:58 UTC
From: garywinblad@...
Topic: 43188 Message: 43193

Garey would have known, sigh....

Search the archives, I know he commented a lot about s-meter drift.
I would suspect a bad tube, the s-meter runs off the difference between two tubes that are AVC
controlled and two that are not. Probably a bad tube loading down the bus somehow..?

73,
Gary
WB6OGD

43194. Re: [DrakeRadio] R-4A s-meter issue

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 01:25:04 UTC
From: Jeffrey Angus
Topic: 43188 Message: 43194

On 2/19/18 4:27 PM, hwfoglesong@... [DrakeRadio] wrote:
> This is clearly not a serious issue, but I am curious about what
> might be causing the s-meter delay when the receiver is so
> stable.
Obviously it is NOT part of the frequency part of the radio.
I would check the tube associated with the S-meter especially the
grid to ground resistors.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43195. Re: [DrakeRadio] R-4A s-meter issue

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 01:37:51 UTC
From: Steve Wedge
Topic: 43188 Message: 43195

Sounds like a gassy tube.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Feb 19, 2018, at 20:25, Jeffrey Angus jdangus@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> On 2/19/18 4:27 PM, hwfoglesong@... [DrakeRadio] wrote:
> > This is clearly not a serious issue, but I am curious about what
> > might be causing the s-meter delay when the receiver is so
> > stable.
> Obviously it is NOT part of the frequency part of the radio.
> I would check the tube associated with the S-meter especially the
> grid to ground resistors.
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>

43196. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 01:49:25 UTC
From: Richard Knoppow
Topic: 43169 Message: 43196

I thought he worked for Drake.

On 2/19/2018 5:04 PM, Whitebear1122 whitebear1122@...
[DrakeRadio] wrote:
>
>
> Sigh? We?ll certainly miss Garey?s presence here. ?I bought one
> of his T-4XC/R4C radios four or five years ago. ?It looks like it
> just came from the factory and has been a delight to use.
> Picture is on my QRZ.COM <http://QRZ.COM>?page.
>
> Before we knew Garey as Mr. Drake, he was Mr. RTTY back in the
> 60?s thru 80?s. ?He and Irv Hoff W6FFC were good friends and
> those guys were part of a big group that ran 20 meter RTTY
> Autostart in the early to mid 70?s. ? I was big in RTTY from 1972
> through 78 so I might have QSO?d Garey at one time. ?He published
> an article in Ham Radio Magazine in the mid to later 70?s about
> his DT-600 RTTY Terminal Unit that he designed and sold. ?I
> clearly remember the DT-600 article when he told me about it.
>
> I don?t know where he acquired all his Drake knowledge.. ?I asked
> him once but I don?t think he answered me :)
>
> Thanks Garey, it was great knowing you. ?73, Scott WA9WFA
WB6KBL

43197. Re: [DrakeRadio] L4-B weight

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 01:51:31 UTC
From: Gary Follett
Topic: 43154 Message: 43197

Even if he does have a bathroom scale, wives’ scales self-limit at 95 pounds, not enough for an L4B and supply.

Gary.

Sent from my iPad

> On Feb 18, 2018, at 8:42 PM, Bill Abate wabate@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I have my L4-B up for sale. In case I have to ship it, I need the
> weight of the PS and amp separately. I can't find it in the manual.
> Not necessary to the the ounce but close enough.
>
> Tnx es 73,
>
> Bill, K3PGB
>
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43198. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 02:38:03 UTC
From: Stan Gammons
Topic: 43169 Message: 43198

Sorry to hear about Garey.? He was a great resource and helped many folks on this list.? He will be greatly missed.

As far as I know, he never worked for Drake.? I seem to recall him saying he worked at Marshall Space Flight Center during the Apollo era. I think he said his job was flight testing various gear used on the Apollo missions.

RIP Garey

Stan
KM4HQE

On 02/19/2018 07:49 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> I thought he worked for Drake.
>
> On 2/19/2018 5:04 PM, Whitebear1122 whitebear1122@...
> [DrakeRadio] wrote:
>>
>> Sigh? We?ll certainly miss Garey?s presence here. ?I bought one
>> of his T-4XC/R4C radios four or five years ago. ?It looks like it
>> just came from the factory and has been a delight to use.
>> Picture is on my QRZ.COM <http://QRZ.COM>?page.
>>
>> Before we knew Garey as Mr. Drake, he was Mr. RTTY back in the
>> 60?s thru 80?s. ?He and Irv Hoff W6FFC were good friends and
>> those guys were part of a big group that ran 20 meter RTTY
>> Autostart in the early to mid 70?s. ? I was big in RTTY from 1972
>> through 78 so I might have QSO?d Garey at one time. ?He published
>> an article in Ham Radio Magazine in the mid to later 70?s about
>> his DT-600 RTTY Terminal Unit that he designed and sold. ?I
>> clearly remember the DT-600 article when he told me about it.
>>
>> I don?t know where he acquired all his Drake knowledge.. ?I asked
>> him once but I don?t think he answered me :)
>>
>> Thanks Garey, it was great knowing you. ?73, Scott WA9WFA
> WB6KBL
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43199. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 02:56:49 UTC
From: Jim Low man
Topic: 43169 Message: 43199

Several years ago, I gave Garey some software that helped him in developing his own excellent software. After that time, whenever I sent money on PayPal to him for new releases, he refused it.

I sincerely hope that someone picks up where Garey left off. Of course the software that we licensed will still work, but no more updates, features or support for other radios.

RIP, my friend who I never met.

73 de Jim - AD6CW

>>
>>
>>
>

43200. R7 2.3KHz Filter DC resistance

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 03:33:42 UTC
From: scpmiller@...
Topic: 43200 Message: 43200

I have 3 IF boards for my R7. The original (came with the radio) board seems to work fine with a small amount of AGC distortion. One of the other boards, does not work at all, no signal gets through at any bandwidth setting. Just for the heck of it, I measured the 2.3KHz filter pins to ground. They all measured as if they were shorted. On the 3rd board, I measured open on the signal pins to ground and signal pin to signal pin. This board plays just fine except for the 2.3KHz Bandwidth position which is 4-5 s-units low. So after all of this I went back and DC checked the original board and it measured 33 ohms to ground on the input side to ground and open on the output side to ground. Am I crazy? :-) What's the right measurement? Is it possible that one or more of these filters is not right. I can't seem to find any details on the internals of the filters.

Thanks,
Steve KD2ED

43201. R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 04:07:58 UTC
From: Dave Edwards
Topic: 43201 Message: 43201

Having not used my R4C in a fairly long time, I noticed I could not calibrate the dial.

I think you hold the skirt, and tune the knob to zero beat at a 25 multiple.

So, holding the skirt should lock the dial, while the VFO still tunes...something like that??

Mine, nothing is being held. the dial still turns when you hold the skirt.

Something is not doing its' job. Anyone have a thought before I throw it on the bench??

....Dave

43202. Garey K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 04:38:35 UTC
From: Edward
Topic: 43202 Message: 43202

So sorry to hear about Garey. I knew he wasn't well. I reached out last June to inquire about his CDs. He said I could download them but wasn't well enough to burn CDs. I never did and now regret that.

I hope his family will continue his legacy. Rest is peace, Garey. For many of us, Drake is heaven on Earth. Thanks for facilitating that!

73,
Ed NI6S

43203. Re: [DrakeRadio] R7 2.3KHz Filter DC resistance

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 04:49:45 UTC
From: Jim Shorney
Topic: 43200 Message: 43203

I have three loose SL2300 filters on hand, one of which is known to have issues. The two "good" filters measure about 23 Ohms from signal pins to ground, about 45 Ohms signal pin to signal pin (Fluke 289 meter). The bad filter measures very high resistances. Be sure you are probing the right points on the boards. It can be hard to follow this stuff from top to bottom. Look at the photo of the IF Selectivity Board in the service manual to get an idea of the pin layout.

The signal paths for all fitlers are controlled by switching diodes and are independent from each other. Loss of any one filter should not prevent operation of any of the others. Your second board has issues other than a filter problem.

It is not unheard of for these filters to go bad. The reason I have three on hand is because the original filter in my TR-7 was too narrow, more like 1.9 KHz, and had an odd shape. The other two had too much passband ripple for my liking. I had to go through this many to find one tthat was suitable. The winner was one that I eventually got from an eBay seller who had swept it before he put it up for sale to ensure that it was good. My measurement instrument was the Midnight SNA kit that our dearly departed Garey K4OAH turned me onto. Thanks Garey. :)

Yahoo photos isn't cooperating with me right now, but there are some photos of my swept filters in the group photo section. I think.

73

-Jim
NU0C

On 20 Feb 2018 03:33:42 +0000, scpmiller@... [DrakeRadio] wrote:

>I have 3 IF boards for my R7. The original (came with the radio) board seems to work fine with a small amount of AGC distortion. One of the other boards, does not work at all, no signal gets through at any bandwidth setting. Just for the heck of it, I measured the 2.3KHz filter pins to ground. They all measured as if they were shorted. On the 3rd board, I measured open on the signal pins to ground and signal pin to signal pin. This board plays just fine except for the 2.3KHz Bandwidth position which is 4-5 s-units low. So after all of this I went back and DC checked the original board and it measured 33 ohms to ground on the input side to ground and open on the output side to ground. Am I crazy? :-) What's the right measurement? Is it possible that one or more of these filters is not right. I can't seem to find any details on the internals of the filters.
>
>
> Thanks,
> Steve KD2ED
>

>

--
?There?s something out of place ? let?s go and poke it with a stick.? ? The Doctor, "Amy?s Choice"

43204. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 05:16:44 UTC
From: Joe Pyles
Topic: 43169 Message: 43204

Here's part of an email that Garey sent me back
in 2014 where he told me about his various jobs.

>Date: Sun, 26 Jan 2014 14:57:10 -0500
>From: Garey Barrell <k4oah@...>
>To: Joe Pyles <epyles@...>
>Subject: Re: Question...
>
>Joe -
>
>OK, Cool..... That's how I learned the 4
>series as well! I figure after all that I have
>owned and worked on, I've seen just about
>everything that can go wrong with them....
>
>I exchanged a lot of email with Mike also, and
>he once accused me of knowing more about the TR-7 than he did.... Not hardly.!
>
>I worked for NASA Huntsville in the 60's, NRAO
>in the 70's and Leasametric in the 80's and
>90's. Mostly EMI/RFI, some solid-state design;
>command/destruct comms for the Saturn/Apollo,
>and Very Large Array radiotelescope command and
>control. Work all solid-state, home all
>tube! :-) Leasametric was Test Equipment
>leasing, eventually encompassed computers as well.
>
>73, Garey - K4OAH
>Glen Allen, VA

73, Joe Pyles KC9LAD

At 09:38 PM 2/19/2018, you wrote:
>Sorry to hear about Garey. He was a great resource and helped many
>folks on this list. He will be greatly missed.
>
>As far as I know, he never worked for Drake. I seem to recall him
>saying he worked at Marshall Space Flight Center during the Apollo era.
>I think he said his job was flight testing various gear used on the
>Apollo missions.
>
>RIP Garey
>
>Stan
>KM4HQE

>
>
>On 02/19/2018 07:49 PM, Richard Knoppow 1oldlens1@...
>[DrakeRadio] wrote:
> > I thought he worked for Drake.
> >
> > On 2/19/2018 5:04 PM, Whitebear1122 whitebear1122@...
> > [DrakeRadio] wrote:
> >>
> >> Sigh We□ll certainly miss Garey□s presence here. I bought one
> >> of his T-4XC/R4C radios four or five years ago. It looks like it
> >> just came from the factory and has been a delight to use.
> >> Picture is on my QRZ.COM <http://QRZ.COM> page.
> >>
> >> Before we knew Garey as Mr. Drake, he was Mr. RTTY back in the
> >> 60□s thru 80□s. He and Irv Hoff W6FFC were good friends and
> >> those guys were part of a big group that ran 20 meter RTTY
> >> Autostart in the early to mid 70□s. I was big in RTTY from 1972
> >> through 78 so I might have QSO□d Garey at one time. He published
> >> an article in Ham Radio Magazine in the mid to later 70□s about
> >> his DT-600 RTTY Terminal Unit that he designed and sold. I
> >> clearly remember the DT-600 article when he told me about it.
> >>
> >> I don□t know where he acquired all his Drake knowledge.. I asked
> >> him once but I don□t think he answered me :)
> >>
> >> Thanks Garey, it was great knowing you. 73, Scott WA9WFA
> > WB6KBL
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This email has been checked for viruses by AVG.
http://www.avg.com

43205. Re: [DrakeRadio] Gary K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 03:31:01 UTC
From: Jim Shorney
Topic: 43187 Message: 43205

I never met Garey in person but I feel like I have known him forever. A true gentlman and a ham's ham.

God speed, old man. I'll miss you.

73

Jim
NU0C

43206. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 05:30:26 UTC
From: Stan Gammons
Topic: 43169 Message: 43206

Thanks for sharing. I remember Garey saying he was at NASA during the
Apollo program. I couldn't remember exactly what Garey told me he did.
Unfortunately, I don't have personal emails from him that go back that far.

Has anyone found anything further on Garey's family? Maybe someone on
the Collins reflector knows. As other have stated, I'd like to see
Garey's Drake service CD library preserved.

73

Stan
KM4HQE

On 02/19/2018 11:16 PM, Joe Pyles wrote:
> Here's part of an email that Garey sent me back in 2014 where he told
> me about his various jobs.
>
>
>> Date: Sun, 26 Jan 2014 14:57:10 -0500
>> From: Garey Barrell <k4oah@...>
>> To: Joe Pyles <epyles@...>
>> Subject: Re: Question...
>>
>> Joe -
>>
>> OK, Cool...... That's how I learned the 4 series as well! I figure
>> after all that I have owned and worked on, I've seen just about
>> everything that can go wrong with them....
>>
>> I exchanged a lot of email with Mike also, and he once accused me of
>> knowing more about the TR-7 than he did.... Not hardly.!
>>
>> I worked for NASA Huntsville in the 60's, NRAO in the 70's and
>> Leasametric in the 80's and 90's. Mostly EMI/RFI, some solid-state
>> design; command/destruct comms for the Saturn/Apollo, and Very Large
>> Array radiotelescope command and control. Work all solid-state,
>> home all tube! :-) Leasametric was Test Equipment leasing,
>> eventually encompassed computers as well.
>>
>> 73, Garey - K4OAH
>> Glen Allen, VA
>
>
> 73, Joe Pyles KC9LAD
>
>

> At 09:38 PM 2/19/2018, you wrote:
>> Sorry to hear about Garey. He was a great resource and helped many
>> folks on this list. He will be greatly missed.
>>
>> As far as I know, he never worked for Drake. I seem to recall him
>> saying he worked at Marshall Space Flight Center during the Apollo era.
>> I think he said his job was flight testing various gear used on the
>> Apollo missions.
>>
>> RIP Garey
>>
>> Stan
>> KM4HQE
>>
>>
>> On 02/19/2018 07:49 PM, Richard Knoppow 1oldlens1@...
>> [DrakeRadio] wrote:
>> >   I thought he worked for Drake.
>> >
>> > On 2/19/2018 5:04 PM, Whitebear1122 whitebear1122@...
>> > [DrakeRadio] wrote:
>> >>
>> >> Sigh… We'll certainly miss Garey's presence here. I bought one
>> >> of his T-4XC/R4C radios four or five years ago. It looks like it
>> >> just came from the factory and has been a delight to use.
>> >> Picture is on my QRZ.COM <http://QRZ.COM> page.
>> >>
>> >> Before we knew Garey as Mr. Drake, he was Mr. RTTY back in the
>> >> 60's thru 80's. He and Irv Hoff W6FFC were good friends and
>> >> those guys were part of a big group that ran 20 meter RTTY
>> >> Autostart in the early to mid 70's.   I was big in RTTY from 1972
>> >> through 78 so I might have QSO'd Garey at one time. He published
>> >> an article in Ham Radio Magazine in the mid to later 70's about
>> >> his DT-600 RTTY Terminal Unit that he designed and sold. I
>> >> clearly remember the DT-600 article when he told me about it.
>> >>
>> >> I don't know where he acquired all his Drake knowledge.. I asked
>> >> him once but I don't think he answered me :)
>> >>
>> >> Thanks Garey, it was great knowing you. 73, Scott WA9WFA
>> > WB6KBL
>> >
>> >
>> > ------------------------------------
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> This email has been checked for viruses by AVG.
> http://www.avg.com
>

43207. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 05:36:30 UTC
From: Jim Shorney
Topic: 43169 Message: 43207

On Tue, 20 Feb 2018 00:16:44 -0500, Joe Pyles epyles@... [DrakeRadio] wrote:

>Here's part of an email that Garey sent me back

>>I exchanged a lot of email with Mike also, and
>>he once accused me of knowing more about the TR-7 than he did.... Not hardly.!

And I was extemely flattered when Garey seemed to think that I knew more than him the TR-7, because....

>>I worked for NASA Huntsville in the 60's
>>command/destruct comms for the Saturn/Apollo,

.....all joking aside, this man really was a rocket scientist!

73

-Jim
NU0C

--
Ham Radio NU0C
Lincoln, Nebraska, U.S.S.A.
TR7/RV7/R7A/L7, TR6/RV6, T4XC/R4C/L4B, NCL2000, SB104A, R390A, GT550A/RV550A, HyGain 3750, IBM PS/2 - all vintage, all the time!

"Give a man a URL and he will learn for an hour. Teach him to Google and he will learn for a lifetime."

HyGain 3750 User's Group - http://groups.yahoo.com/group/HyGain_3750/
http://incolor.inetnebr.com/jshorney
http://www.nebraskaghosts.org

43208. Re: R-4A s-meter issue

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 04:05:29 UTC
From: hwfoglesong@...
Topic: 43188 Message: 43208

Thanks, gentlemen, for your suggestions. I obviously have some digging to do!!!

Hank

43209. Re: [DrakeRadio] Re: K4OAH items/subject

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 12:13:06 UTC
From: Chgypsy@...
Topic: 43169 Message: 43209

Hi all,
I believe he was living with a daughter. I do not think she was a ham.
I know he lived for years in a restricted housing area and had an attic antenna. His comment was he could put up a decent antenna when he moved several years ago.....
Charleston, SC rings a bell but I could be very wrong.

On a personal basis he helped ALOT when I first started on the 4 line items. Have the cds, and a lot of notes, just no 4 lines anymore.
Carl wd8nhk

-----Original Message-----
From: Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: Joe <w7rkn.7@...>; DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Mon, Feb 19, 2018 7:50 pm
Subject: [DrakeRadio] Re: K4OAH SK

>
>
> On 2/19/2018 11:59 AM, Joe wrote:
>> Even though we thought it was coming, it is still a deep shock.
>>
>> Was Garey married? Have children involved in amateur radio?
>>
>>

43210. RE: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 12:16:27 UTC
From: <steve@...>
Topic: 43169 Message: 43210

Gary will be missed greatly by many on this side of the pond.

His support to people restoring Drake equipment and his extensive practical knowledge has been second to none.? The existence of the library of posts will definitely be his legacy and people will continue to use his CDs for many years to come.

73 de Steve G8EBM

Chairman of the Radio Communication Museum of Great Britain

-------- Original Message --------
Subject: Re: [DrakeRadio] K4OAH SK
From: "VE7PS ve7ps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Date: Mon, February 19, 2018 7:32 pm
To: DrakeRadio@yahoogroups.com

?

Indeed, this is a sad day I feared was coming.? His expertise in Drake Radios, especially the 4-line, was unparalleled and we will all miss him terribly.? He has left us his legacy in his technical documents and many, many, posts that helped all of us in the Drakelist archives.? He will NOT be forgotten.

RIP my friend.? Your key may be silent, but your memory lives on forever.

Peter
VE7PS

On 2/19/2018 11:20 AM, Wayne Bethoney wbethoney@... [DrakeRadio] wrote:

?

This is terrible news.?

From: Collins on behalf of Tony Vitolo via Collins ;
Sent: Monday, February 19, 2018 2:18 PM
To: Collins Reflector
Subject: {Collins} K4OAH SK
?

It is with deep sadness to report that Garey Barrell K4OAH became a
silent key last night.

Tony Vitolo W4AV
Grayson GA.

P.S. Would somebody please post this on the Drake reflector
*** You are subscribed to Collins as wbethoney@.... If you wish to unsubscribe, or modify your preferences please visit https://nam01.safelinks.protection.outlook.com/?url=https%3A

%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0 ***

(http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient)

Virus-free. www.avg.com (http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient)

43211. Re: K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 12:13:16 UTC
From: Brian Allen
Topic: 43169 Message: 43211

Can anyone forward Gary's obituary?
kb4mng

43212. RE: [DrakeRadio] Gary K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 12:40:52 UTC
From: wt4t@...
Topic: 43187 Message: 43212

73 garey,he helped me Many times over the years, will really be missed.
73
dale
wt4t
-----Original Message-----
From: "'keith evans' g3vkw@btconnect.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Monday, February 19, 2018 5:48pm
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Gary K4OAH

What sad news, he was taken far too early, RIP Gary.
I am sure all the Drake owners over here feel the same.
73 my friend
Keith G3VKW

43213. RE: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 13:11:51 UTC
From: armando martins
Topic: 43166 Message: 43213

I did not knew Garry, but he did help me.
NOW TO THE MODERATOR OF THE FORUM
Could the moderator start a collection to give Garry what he deserves??????
A simple memory to his name at the ARRL or at his home town or somewhere
else he deserve some recognition for what he done to radio. If he was in this
part of the world we may have had a sort of recognition by our QUEEN
So lets see if we can do that
M0PAM

On Mon, 19/2/18, 'Bob Novas' bob.novas@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:

Subject: RE: [DrakeRadio] Fw: {Collins} K4OAH SK
To: DrakeRadio@yahoogroups.com
Date: Monday, 19 February, 2018, 21:24

73's Gary.
Bob
W3DK
From: DrakeRadio@yahoogroups..com
[mailto:DrakeRadio@yahoogroups.com]
Sent: Monday, February 19, 2018 3:58
PM
To: DrakeRadio@yahoogroups.com;
Evan; Wayne Smith
Cc:
wbethoney@...
Subject: Re:
[DrakeRadio] Fw: {Collins} K4OAH SK God
speed, Garey. ..._._
Bob
K9JU

On Monday, February
19, 20 18 2:52 PM, "Wayne Smith oilieone@...
[DrakeRadio]" <DrakeRadio@yahoogroups.com>
wrote:
Amen
Evan!
Hope to see all of you
there!Wayne
Smith
Sent
from my iPhone
On Feb 19, 2018, at
1:42 PM, Evan k9sqg@...

[DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:
Yes, it is terrible news. He was
an encouragement to me and he will be greatly missed by
many!
 Looking
forward to seeing you Garey in Heaven
above...
 73,
 Evan, K9SQG

-----Original
Message-----
From: Wayne Bethoney wbethoney@...
[DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Mon, Feb 19, 2018 2:21 pm
Subject: [DrakeRadio] Fw: {Collins} K4OAH
SK This is
terrible news.   From: Collins
<collins-bounces+wbethoney=hotmail.com@...>
on behalf of Tony Vitolo via Collins <collins@...>
Sent: Monday, February 19, 2018 2:18
PM
To: Collins Reflector
Subject: {Collins} K4OAH SK It is
with deep sadness to report that Garey Barrell K4OAH became
a
silent key last night.

Tony Vitolo W4AV
Grayson GA.

P.S. Would somebody please post this on the
Drake reflector
*** You are subscribed to
Collins as wbethoney@hotmail.com.
If you wish to unsubscribe, or modify your preferences
please visit https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.lis
tserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577
cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc
156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0
***

43214. Re: [DrakeRadio] Re: K4OAH items/subject

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 13:52:39 UTC
From: Jim Harris
Topic: 43169 Message: 43214

I also will miss Gary's posts as I found them very informative on Drake gear. Wish now that I had downloaded his CD file. Just have to hope it comes back again. Sometime soon I am going to have to look at getting my Drake C line going. My very best to his family.

Jim VE1RB

On Tue, Feb 20, 2018 at 8:13 AM, Chgypsy@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Hi all,
> I believe he was living with a daughter. I do not think she was a ham.
> I know he lived for years in a restricted housing area and had an attic
> antenna. His comment was he could put up a decent antenna when he moved
> several years ago..... Charleston, SC rings a bell but I could be very
> wrong.
>
> On a personal basis he helped ALOT when I first started on the 4 line
> items. Have the cds, and a lot of notes, just no 4 lines anymore.
> Carl wd8nhk
>
>
> -----Original Message-----
> From: Richard Knoppow 1oldlens1@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com>
> To: Joe <w7rkn.7@...>; DrakeRadio <DrakeRadio@yahoogroups.com>
> Sent: Mon, Feb 19, 2018 7:50 pm
> Subject: [DrakeRadio] Re: K4OAH SK
>
>
>
>
>
> >
> > On 2/19/2018 11:59 AM, Joe wrote:
> >> Even though we thought it was coming, it is still a deep shock.
> >>
> >> Was Garey married? Have children involved in amateur radio?
> >>
> >>
>
>
>

43215. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 15:48:32 UTC
From: Dexter Francis
Topic: 43201 Message: 43215

Dave -

The dial mechanism uses a slip clutch where the “spring” is basically a piece of 1/4” ID rubber hose. Those can get old and stiff and stop working properly.

-df N0YLJ

http://thinkingofdesign.blogspot.com

> On Feb 19, 2018, at 9:07 PM, Dave Edwards kd2e@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Having not used my R4C in a fairly long time, I noticed I could not calibrate the dial.
>
> I think you hold the skirt, and tune the knob to zero beat at a 25 multiple.
>
> So, holding the skirt should lock the dial, while the VFO still tunes...something like that??
>
> Mine, nothing is being held. the dial still turns when you hold the skirt.
> Something is not doing its' job. Anyone have a thought before I throw it on the bench??
>
> ....Dave
>

43216. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 17:09:57 UTC
From: Kc9cdt@...
Topic: 43201 Message: 43216

Mine uses a flat wave washer...no rubber hose here
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Dexter Francis dwmfrancis@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Tue, Feb 20, 2018 10:59 am
Subject: Re: [DrakeRadio] R4C calibrate dial

Dave -

The dial mechanism uses a slip clutch where the “spring” is basically a piece of 1/4” ID rubber hose. Those can get old and stiff and stop working properly.

-df N0YLJ

http://thinkingofdesign.blogspot.com

On Feb 19, 2018, at 9:07 PM, Dave Edwards kd2e@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Having not used my R4C in a fairly long time, I noticed I could not calibrate the dial.

I think you hold the skirt, and tune the knob to zero beat at a 25 multiple.

So, holding the skirt should lock the dial, while the VFO still tunes...something like that??

Mine, nothing is being held. the dial still turns when you hold the skirt.

Something is not doing its' job. Anyone have a thought before I throw it on the bench??

....Dave

43217. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 17:19:47 UTC
From: Steve Wedge
Topic: 43201 Message: 43217

That sounds like a B-Line or earlier.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Feb 20, 2018, at 12:09, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Mine uses a flat wave washer...no rubber hose here
>
> 73,
> Lee
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 Cell
>
>
> -----Original Message-----
> From: Dexter Francis dwmfrancis@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>
> Sent: Tue, Feb 20, 2018 10:59 am
> Subject: Re: [DrakeRadio] R4C calibrate dial
>
>
> Dave -
>
> The dial mechanism uses a slip clutch where the “spring” is basically a piece of 1/4” ID rubber hose. Those can get old and stiff and stop working properly.
>
> -df N0YLJ
>
> http://thinkingofdesign.blogspot.com
>
> On Feb 19, 2018, at 9:07 PM, Dave Edwards kd2e@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Having not used my R4C in a fairly long time, I noticed I could not calibrate the dial.
> I think you hold the skirt, and tune the knob to zero beat at a 25 multiple.
> So, holding the skirt should lock the dial, while the VFO still tunes...something like that??
> Mine, nothing is being held. the dial still turns when you hold the skirt.
> Something is not doing its' job. Anyone have a thought before I throw it on the bench??
> ....Dave

>

43218. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 18:20:16 UTC
From: va3mgn@...
Topic: 43201 Message: 43218

Dave, also see excerpt below from http://zerobeat.net/drakelist/drakemod/drmod31.html http://zerobeat.net/drakelist/drakemod/drmod31.html. Matt, VA3MGN

C Line Dial Alignment -
The C line allowed for dial indication alignment through the use of idler gears in the dial drive mech. Just to the left and right of the drive transmission you will find one or two 'ears'. Pushing these ears towards the PTO shaft will allow the indicator plates to be rotated such that the plates align to display the correct frequency. Depending upon the age of the C line unit in question, there may only be one ear. In order to reseat the idler gear, push the lever over and let go such that it snaps into place. If you do not do this, it will take some rotation of the tuning knob until the idler seats and your alignement will be off (again!). On the B, you can rotate the Lexan dial plate a little with a touch of brute force. Place a small screwdriver on the edge of the dial plate and flick it the few necessary degrees. Do not to this with the C line (see above).

43219. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 18:41:37 UTC
From: VE7PS
Topic: 43201 Message: 43219

Dave:

If the tuning system is working properly, you should *press in slightly* on the *dial skirt* and hold it in place, while rotating the knob. Basically, you are compressing the sponge washer slightly to do that. Use the nearest 25 Khz xtal calibrator signal to align the dial.

BUT....and there is always at least one of those!

1) As has been mentioned, the sponge washer may be hard with age and is not gripping the front of the dial mechanism enough to hold it in place. You can remove it and try roughing up the inner face with sandpaper to see if that helps. If not, see WB0IQK's article on using automotive or hydraulic hose to replace it, which is found on WB4HFN's website.

2) You may be at the "end stop" of the little plastic tab on the innermost gear. If you are, you should be able to tune it the other way, which, of course, is going to put your dial even further off, but will tell you what's wrong with it. That tab should be set to allow 1/2 rotation of the 1/4" dial shaft in each direction, but if it was set too far to one side or the other, then you may not have enough "play" in the direction you need to compensate for the dial error. Normally I would just remove the front panel and PTO from the radio and re-build/clean it at this point, though I am fairly certain you can reset the center point of that tab using a variation of the dial calibration method Matt pointed in the Drakemods paper.

3) If both dials are rotating independently OK, and not moving at the same speed together, that's a good thing! Sometimes a burr inside the brass inner bushing, or on the 1/4" shaft, or a lot of dried up grease,will bind up and cause both dials to rotate at the same speed. It doesn't sound like that is your issue here though. If the circlip is set too tight against the cupped steel washer which faces the outermost dial (about 1" diameter), it can also cause this problem. It needs to be set snug, but not too tight, against the steel washer (C-line only).

Good luck!

73
Peter
VE7PS

On 2/19/2018 8:07 PM, Dave Edwards kd2e@... [DrakeRadio] wrote:
>
> Having not used my R4C in a fairly long time, I noticed I could not
> calibrate the dial.

>
> I think you hold the skirt, and tune the knob to zero beat at a 25
> multiple.
>
> So, holding the skirt should lock the dial, while the VFO still
> tunes...something like that??
>
> Mine, nothing is being held. the dial still turns when you hold the
> skirt.
>
> Something is not doing its' job. Anyone have a thought before I throw
> it on the bench??
>
> ....Dave
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

43221. Re: [DrakeRadio] R4 series with another manufacturer transmitter..

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 16:35:46 UTC
From: Curt Nixon
Topic: 43135 Message: 43221

I think it was.

On 02/19/18 11:29 AM, amfone wrote:
> OK thanks Kurt very much, I'm not sure what a TR4C goes for these
> days, wonder if that was with the AC4.
>
> Tim
>
>
> On Monday, February 19, 2018, 11:22:48 AM EST, Curt Nixon
> captcurt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> The one on the table next to me I think he was asking 400.   The C
> line with the Sherwood mods in it including the prod detector, audio,
> etc was asking 600.
>
> Curt
> KU8L
>
> On 02/19/18 10:49 AM, amfone wrote:
>> Yes I was thinking about asking on the price of the TR4C as it was my
>> first rig but I pulled myself away from it. Hi Hi.
>>
>> 73 Tim
>> WB8UHZ
>>
>>
>> On Monday, February 19, 2018, 10:41:24 AM EST, Curt Nixon
>> <captcurt@...> <mailto:captcurt@...> wrote:
>>
>>
>> Yes, you too Tim:
>>
>> I was really glad to see that the quality of table-top equipment for
>> sale seemed to be the best in several years.
>>
>> All I took home was a UHF version AM-6155 Amp.   COuldn't pass on it
>> for $50.
>>
>> Curt
>>
>> On 02/19/18 9:24 AM, amfone amfone20000@...
>> <mailto:amfone20000@...> [DrakeRadio] wrote:
>>> Curt good seeing you yesterday at the swap!

>>>
>>> Tim
>>> WB8UHZ
>>>
>>>
>>> On Monday, February 19, 2018, 9:11:30 AM EST, Curt Nixon
>>> captcurt@... <mailto:captcurt@...> [DrakeRadio]
>>> <DrakeRadio@yahoogroups.com> <mailto:DrakeRadio@yahoogroups.com> wrote:
>>>
>>>
>>> Well, yeah....it will work with ANY tx as long as you can get a TR
>>> relay going and (ideally) a mute line.
>>>
>>> But Since the question was regarding an SB401, I was kind of
>>> guessing they were talking about transceive functions. That is more
>>> problematic but if the VFO ranges are similar, you should be able to
>>> deal with any special level requirements if required. THe range and
>>> direction of the VFO needs to be the same.
>>>
>>> KU8L
>>>
>>> On 02/18/18 5:54 AM, William Pinkava wjpinkava@...
>>> <mailto:wjpinkava@...> [DrakeRadio] wrote:
>>>>
>>>> I have my R4 paired with a DX-40. Works great!
>>>> Bill, AE8EA
>>>>
>>>> Sent from my iPhone
>>>>
>>>> On Feb 17, 2018, at 8:54 PM, bsa0791@...
>>>> <mailto:bsa0791@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
>>>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>>>
>>>>> Going to try to pair my R4 with a Heathkit SB401 transmitter.
>>>>> Anyone have any luck doing something similar? This will be for cw
>>>>> only.
>>>>>
>>>>>
>>>>> thank kb4mng nc
>>>>>
>>>
>>
>
>

43222. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 17:57:30 UTC
From: Jim Shorney
Topic: 43111 Message: 43222

You know more about E-V than I do and I work for the company.... :) The RE-27 and RE-320 are variants using a redesigned capsule made from mostly plastic. The 320 is positioned as a kick drum mic but of course can also be used for vocals. There have been changes ("inprovements") to the RE-20 design over the years as well, but I am told that some prefer the sound of the old style mics. Of course this is subjective. It seems like they were intended primarily for broadcast announcing but of course are used in studio recording of music vocals as well. Several years ago we refurbished a flock of them that belong to a noted recording studio in Nashville. Artists (and probably FM DJs) who understand the proximity effect and have learned how to use it to their advantage in performance probably don't care for these mics much. Some of the high end mics are still assembled in the Lincoln facility, which is also where the service center is.

I73

-Jim
NU0C

On Sat, 17 Feb 2018 22:09:10 -0800, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:

> The lack of proximity effect (actually there is a little) is
>due to the patented method of obtaining the cardioid pattern. EV
>engineer Alpha M. Wiggins invented it. I will not try to explain
>how it works here but the slots on the side are entrances for the
>high frequency discrimination network.
> There is a brief bio of him at:
>http://www.depts.ttu.edu/coe/alumni/de/bios.php?name=Alpha%20M.%20Wiggins
>
> The patent covering this type of mic is 3,115,207
>The first mic Electro Voice made using the Variable-D principle
>was the 666, which soon practically supplanted all other mics for
>TV use and nearly all for radio. There were many other models
>using the same principle, notably the EV 664, intended for lower
>cost applications such as public address and communications but
>CBS used them in their news headquarters in New York.
> Wiggins also invented an earlier type of single diaphragm
>cardioid called by Electro Voice the Mechanophase system. It is
>covered by patent no. 2627558. Wiggins was also responsible for
>the Electro-Voice Circlotron amplifier pat no. 2828369
> EV built these for years but somehow they were never as
>popular as they should have been.
> Mics made later than the 666, perhaps beginning with the
>RE-15, used a different form of filter on the rear of the
>diaphragm. The 666 and similar mics use three fixed frequency

>range filters while the RE-15 and later use a sort of
>transmission line filter with continuous frequency coverage and
>delay.
> I never much liked EV mics for recording but others did. On
>the famous Lawrence Welk show on ABC all the mics were EV and
>sounded pretty good. The audio engineer was John Neal, who was a
>friend for a long time, then somehow I lost track of him. I don't
>suppose anyone on this list knows what happened.
>
>On 2/17/2018 8:43 PM, 'Jim Shorney' jshorney@...
>[DrakeRadio] wrote:
>>
>> What is notable about the RE-20, and by extension its bretheren the RE-27 and
>> RE-320, is that they do not suffer from proximity effect. Those slots o
>
>--
>Richard Knoppow
>1oldlens1@...
>WB6KBL
>
>
>------------------------------------
>

--

"It's an Earth food. They are called Swedish meatballs! It's a strange thing, but every sentient race has its own version of these Swedish meatballs! I suspect it's one of those great universal mysteries which will either never be explained, or which would drive you mad if you ever learned the truth!" - G'Kar, Babylon 5

43223. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 20:19:20 UTC
From: Brian Smith
Topic: 43166 Message: 43223

My condolences also and prayers for his family

Brian Smith

> On Feb 19, 2018, at 1:34 PM, Richard Knoppow 1oldlens1@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> I am appalled, I never met Garey in person but considered
> him a friend. I am so sorry to hear this, it was what I was
> afraid of.
>
> On 2/19/2018 11:20 AM, Wayne Bethoney wbethoney@...
> [DrakeRadio] wrote:
>>
>>
>> This is terrible news.
>>
>>
>>
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>
>
> ------------------------------------
>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>

43224. Re: [DrakeRadio] Re: K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 01:05:43 UTC
From: Whitebear1122
Topic: 43169 Message: 43224

Yes Garey is married. He mentioned his wife to me sometime in the last 2 years. 73, Scott WA9WFA

> On Feb 19, 2018, at 6:50 PM, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> On 2/19/2018 12:44 PM, Richard Knoppow wrote:
>> I think this is an excellent idea. For some reason I thought
>> Garey was married but don't know. If he was this must be a very
>> difficult time for his wife.
>> I think a measure of his quality is how much it has affected
>> all of us.
>>

43225. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 11:19:33 UTC
From: Dave Edwards
Topic: 43201 Message: 43225

Is there an appropriate replacement?

...Dave

On 2/20/18 5:28 AM, Ronnie Hull wrote:
> That pesky fiber slip ring thingie behind your knob is deteriorated! I
> just went through this!
>
> W5SUM
>
> Sent from my iPhone
>
> On Feb 19, 2018, at 10:07 PM, Dave Edwards kd2e@...
> <mailto:kd2e@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> Having not used my R4C in a fairly long time, I noticed I could not
>> calibrate the dial.
>>
>> I think you hold the skirt, and tune the knob to zero beat at a 25
>> multiple.
>>
>> So, holding the skirt should lock the dial, while the VFO still
>> tunes...something like that??
>>
>> Mine, nothing is being held. the dial still turns when you hold the
>> skirt.
>>
>> Something is not doing its' job. Anyone have a thought before I throw
>> it on the bench??
>>
>> ....Dave
>>
>>

43226. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 18:39:41 UTC
From: Richard Knoppow
Topic: 43201 Message: 43226

The dial in the C line is different from the B and I am much
more familiar with the B line than the C, however in the B the
dial itself will slip; you can push it with your fingers. I think
there are two dials in the C but its worth checking to see if you
can just push it to where it should be.

On 2/19/2018 8:07 PM, Dave Edwards kd2e@... [DrakeRadio]
wrote:
>
>
> Having not used my R4C in a fairly long time, I noticed I could
> not calibrate the dial.
>
> I think you hold the skirt, and tune the knob to zero beat at a
> 25 multiple.
>
> So, holding the skirt should lock the dial, while the VFO still
> tunes...something like that??
>
> Mine, nothing is being held. the dial still turns when you hold
> the skirt.
>
> Something is not doing its' job. Anyone have a thought before I
> throw it on the bench??
>
> ....Dave

--
Richard Knoppow
1oldlens1@...
WB6KBL

43227. Drake TR4CW with power supply aqnd remote VFO

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 23:58:15 UTC
From: brakemanbobsmith@...
Topic: 43227 Message: 43227

HI

Name is Bob Smith from West Elkton Ohio Call is KD8ZIF

I am fairly new to Ham Radio got my Tech in 2013 and General a month later, the only rig I have is a TYT TH-9800 an Baofeng BF-F8HP

I have always liked the vintage rigs and pretty much anything vintage which leads me here to the Drake Group.

I have a chance to buy an TR4Cw with power supply and remote VFO from a Older Ham who has moved to a condo and can no longer use his radios.

He is offering me the Drake TR4CW with power supply and remote vfo for $350.00
He also has a Drake 2B Receiver with the 2BQ speaker for $150.00, I know I don't need the 2B but just kind of like it and like to have it LOL
He also has the original manuals for all of the equipment and is including them.
All were in working condition 7 months ago when he was still using them before the move.

My question is do these seem like a good deal for this equipment?
I believe it to be but just wanted to put it out there and see what you all may think.

Thanks for letting me bend your ear and thanks in advance for any responses to my post,

Bob

43228. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 10:28:13 UTC
From: Ronnie Hull
Topic: 43201 Message: 43228

That pesky fiber slip ring thingie behind your knob is deteriorated! I just went through this!

W5SUM

Sent from my iPhone

> On Feb 19, 2018, at 10:07 PM, Dave Edwards kd2e@... [DrakeRadio] <DrakeRadio@...m> wrote:
>
> Having not used my R4C in a fairly long time, I noticed I could not calibrate the dial.
>
> I think you hold the skirt, and tune the knob to zero beat at a 25 multiple.
>
> So, holding the skirt should lock the dial, while the VFO still tunes...something like that??
>
> Mine, nothing is being held. the dial still turns when you hold the skirt.
> Something is not doing its' job. Anyone have a thought before I throw it on the bench??
>
> ....Dave
>

43229. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 20:34:59 UTC
From: armando martins
Topic: 43169 Message: 43229

WITH CAPITAL LETTERS RIP MY FREINDS ALTHOUGH I DID NOT KNOW
YOU DID HELP ME A LOT WITH MY PROBLEMS
R. I. P
AND GOD YOU NEXT TO HIM UNTILL WE ALL MEET AGAIN
M0PAM

On Mon, 19/2/18, VE7PS ve7ps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Subject: Re: [DrakeRadio] K4OAH SK
To: DrakeRadio@yahoogroups.com
Date: Monday, 19 February, 2018, 19:32

Indeed, this is a sad day I feared was coming. His
expertise in
Drake Radios, especially the 4-line, was unparalleled
and we will
all miss him terribly. He has left us his legacy in
his technical
documents and many, many, posts that helped all of us in
the
Drakelist archives. He will NOT be forgotten.

RIP my friend. Your key may be silent, but your memory
lives on
forever.

Peter

VE7PS

On
2/19/2018 11:20 AM, Wayne Bethoney
wbethoney@hotmail.com
[DrakeRadio] wrote:

This
is terrible
news.

From: Collins
<collins-bounces+wbethoney=hotmail.com@...>
on behalf of Tony Vitolo via Collins
<collins@...>

Sent: Monday, February 19, 2018
2:18 PM

To: Collins Reflector

Subject: {Collins} K4OAH
SK

It is with deep sadness to
report that Garey Barrell K4OAH
became a

silent key last night.

Tony Vitolo W4AV

Grayson GA.

P.S. Would somebody please post this
on the
Drake reflector

*** You are subscribed to Collins as
wbethoney@....
If you wish to
unsubscribe, or modify your
preferences please
visit

https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0
***

Virus-free. www.avg.com

43230. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 16:12:36 UTC
From: va3mgn@...
Topic: 43201 Message: 43230

Dave, you may also want to check this out:
http://www.zerobeat.net/drakelist/drakemod/drmod31.html
http://www.zerobeat.net/drakelist/drakemod/drmod31.html Scroll down to "C Line Dial Calibration". Matt, VA3MGN

43231. RE: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 20:55:36 UTC
From: Eric Moore
Topic: 19735 Message: 43231

Hey guys, it’s working now, I had the plate capacitor indicator 180 degrees out, I flipped the needle around and it works fine now. Thanks for your help. Had been over all my work several times over the last few weeks and was pretty certain that it was correct. Only thing I was not 100% on was the pate cap and decided to flip it around and try it and that was the issue.

73,
Eric
K8CCA now QRO :)

From: Richard Knoppow 1oldlens1@ix.netcom.com [DrakeRadio]
Sent: Sunday, February 18, 2018 3:43 PM
To: DrakeRadio@yahoogroups.com; Eric Moore
Subject: Re: [DrakeRadio] L4B Issues

I couldn't find a schematic for the soft start on the Harbach
web site. Presumably they sent some sort of documentation with
it. Check over the wiring to make sure its correct and see if
there is a way to checking the thing to make sure its working
correctly. You might write them to see if they can help. They
have a very good reputation.

On 2/18/2018 11:26 AM, Eric Moore k8cca@...
[DrakeRadio] wrote:
>
>
> Hey guys, been working on my L4B for a while and finally got it
> put back together and wired for 240V. When I got a year ago, the
>

--
Richard Knoppow
1oldlens1@ix.netcom.com
WB6KBL

Yahoo Groups Links

43232. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 22:35:26 UTC
From: GALE STEWARD
Topic: 43169 Message: 43232

Sad news indeed. Garey was a huge help to me, and countless others, in fixing the vintage Drakes.
His excellent CD's were a wonderful idea and a wealth of info. I have a bunch of them.
Thanks Garey, RIP...
Stew K3ND

From: "'Henry L. Dorkin' dorkinh@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>; VE7PS <ve7ps@...>; steve27302@...
Sent: Monday, February 19, 2018 3:47 PM
Subject: Re: [DrakeRadio] K4OAH SK

<!--#yiv0102445941 #yiv0102445941 .yiv0102445941ygrp-photo-title{clear:both;font-size:smaller;min-height:15px;overflow:hidden;text-align:center;width:75px;}#yiv0102445941 div.yiv0102445941ygrp-photo{background-position:center;background-repeat:no-repeat;background-color:white;border:1px solid black;min-height:62px;width:62px;}#yiv0102445941 div.yiv0102445941photo-title a, #yiv0102445941 div.yiv0102445941photo-title a:active, #yiv0102445941 div.yiv0102445941photo-title a:hover, #yiv0102445941 div.yiv0102445941photo-title a:visited {text-decoration:none;}#yiv0102445941 div.yiv0102445941attach-table div.yiv0102445941attach-row {clear:both;}#yiv0102445941 div.yiv0102445941attach-table div.yiv0102445941attach-row div {float:left;}#yiv0102445941 p {clear:both;padding:15px 0 3px 0;overflow:hidden;}#yiv0102445941 div.yiv0102445941ygrp-file {width:30px;}#yiv0102445941 div.yiv0102445941attach-table div.yiv0102445941attach-row div div a {text-decoration:none;}#yiv0102445941 div.yiv0102445941attach-table div.yiv0102445941attach-row div div span {font-weight:normal;}#yiv0102445941 div.yiv0102445941ygrp-file-title {font-weight:bold;}#yiv0102445941 -->

  If the mark of a man is measured by how many people he has helped, and multiplied by how this was done selflessly and cheerfully, then Gary certainly has left an indelible mark upon the Drake community in general and all of us individually. As already has been said, he certainly has my thanks for a "job well done."

Hank
WM1V

Rest in peace, my friend. Though I never met you in person, I felt as if I knew you. His expertise and his wit will be missed.
Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.
On Mon, Feb 19, 2018 at 2:32 PM, VE7PS ve7ps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

  Indeed, this is a sad day I feared was coming. His expertise in Drake Radios, especially the 4-line, was unparalleled and we will all miss him terribly. He has left us his legacy in his technical documents and many, many, posts that helped all of us in the Drakelist

archives. He will NOT be forgotten.

RIP my friend. Your key may be silent, but your memory lives on forever.

Peter
VE7PS

On 2/19/2018 11:20 AM, Wayne Bethoney wbethoney@... [DrakeRadio] wrote:
  This is terrible news.

From: Collins <collins-bounces+wbethoney= hotmail.com@...> on behalf of Tony Vitolo via Collins <collins@...>
Sent: Monday, February 19, 2018 2:18 PM
To: Collins Reflector
Subject: {Collins} K4OAH SK   It is with deep sadness to report that Garey Barrell K4OAH became a
silent key last night.

Tony Vitolo W4AV
Grayson GA.

P.S. Would somebody please post this on the Drake reflector
*** You are subscribed to Collins as wbethoney@.... If you wish to unsubscribe, or modify your preferences please visit https://nam01.safelinks. protection.outlook.com/?url= https%3A%2F%2Fmailman. listserve.com%2Flistmanager% 2Flistinfo%2Fcollins&data=02% 7C01%7C% 7Cad401f3c10f04520885308d577cd acd4% 7C84df9e7fe9f640afb435aaaaaaaa aaaa%7C1%7C0% 7C636546647600238173&sdata= XvMCviC9S55dc156ICQdHSW8tjqhrW jV4muKdDpNjSA%3D&reserved=0 ***

| | Virus-free. www.avg.com |

43233. Re: R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 13:51:30 UTC
From: va3mgn@...
Topic: 43201 Message: 43233

Dave, check this url out and let us know if it helps. Scroll drown to C Line Dial Alignment.

http://www.zerobeat.net/drakelist/drakemod/drmod31.html
http://www.zerobeat.net/drakelist/drakemod/drmod31.html

Matt, VA3MGN

43234. Re: [DrakeRadio] L4-B weight

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 14:01:08 UTC
From: Robert Johnson
Topic: 43154 Message: 43234

From the manual: amp: 32 lb., PS: 43 lb.

73, Bob W2DSB

On 2/19/2018 7:23 AM, Steve Wedge steve27302@... [DrakeRadio] wrote:
>
> The digital ones are reasonably accurate and will continue to display
> the weight for a few seconds after you remove the box.
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly
> sophisticated software.
>
> On Feb 18, 2018, at 20:46, Joe w7rkn.7@...
> <mailto:w7rkn.7@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> You don't have a bathroom scale??!!!
>>
>> Must not be married! J
>>
>> Joe – W7RKN
>>
>> -----Original Message-----
>> From: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
>> [mailto:DrakeRadio@yahoogroups.com]
>> Sent: Sunday, February 18, 2018 5:42 PM
>> To: DrakeRadio
>> Subject: [DrakeRadio] L4-B weight
>>
>> I have my L4-B up for sale. In case I have to ship it, I need the
>> weight of the PS and amp separately. I can't find it in the manual.
>>
>> Not necessary to the the ounce but close enough.
>>
>> Tnx es 73,
>>
>> Bill, K3PGB
>>
>> ------------------------------------
>>
>> ------------------------------------
>>
>> ------------------------------------

>>
>> Yahoo Groups Links
>>
>> http://groups.yahoo.com/group/DrakeRadio/
>>
>>   Individual Email | Traditional
>>
>> http://groups.yahoo.com/group/DrakeRadio/join
>>
>>   (Yahoo! ID required)
>>
>> DrakeRadio-digest@yahoogroups.com
>> <mailto:DrakeRadio-digest@yahoogroups.com>
>>
>> DrakeRadio-fullfeatured@yahoogroups.com
>> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
>>
>> DrakeRadio-unsubscribe@yahoogroups.com
>> <mailto:DrakeRadio-unsubscribe@yahoogroups.com>
>>
>> https://info.yahoo.com/legal/us/yahoo/utos/terms/
>>
>

43235. Re: [DrakeRadio] Gary K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 09:53:56 UTC
From: Damien Mannix
Topic: 43187 Message: 43235

Keith is quite right. Much sadness on this side of the Atlantic.

Gary always showed great patience with those, like me, who did not have the merest fraction of his Drake knowledge.

73, you will not be forgotten.

Damien G3XER

From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of 'keith evans' g3vkw@btconnect.com [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: 19 February 2018 23:48
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Gary K4OAH

What sad news, he was taken far too early, RIP Gary.

I am sure all the Drake owners over here feel the same.

73 my friend

Keith G3VKW

43236. Re: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 22:09:59 UTC
From: Hal Dale
Topic: 43227 Message: 43236

All a bargain if working properly.... But, if ur not familiar with tube rigs, it may be a good idea to get a local old ham to help with the initial hookup/tuneup...Hal/WB4AEG

---- On Sat, 17 Feb 2018 18:58:15 -0500 brakemanbobsmith@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote ----

HI

Name is Bob Smith from West Elkton Ohio Call is KD8ZIF

I am fairly new to Ham Radio got my Tech in 2013 and General a month later, the only rig I have is a TYT TH-9800 an Baofeng BF-F8HP

I have always liked the vintage rigs and pretty much anything vintage which leads me here to the Drake Group.

I have a chance to buy an TR4Cw with power supply and remote VFO from a Older Ham who has moved to a condo and can no longer use his radios.

He is offering me the Drake TR4CW with power supply and remote vfo for $350.00

He also has a Drake 2B Receiver with the 2BQ speaker for $150.00, I know I don't need the 2B but just kind of like it and like to have it LOL

He also has the original manuals for all of the equipment and is including them.

All were in working condition 7 months ago when he was still using them before the move.

My question is do these seem like a good deal for this equipment?

I believe it to be but just wanted to put it out there and see what you all may think.

Thanks for letting me bend your ear and thanks in advance for any responses to my post,

Bob

43237. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 21:12:42 UTC
From: Richard Knoppow
Topic: 19735 Message: 43237

I am getting multiple posts, about three at a time, from the
list. Is it just me?

On 2/18/2018 12:53 PM, Bob Maser bob.maser@... [DrakeRadio]
wrote:
>
Richard Knoppow
1oldlens1@...
WB6KBL

43238. Re: [DrakeRadio] Gary K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 03:31:01 UTC
From: Jim Shorney
Topic: 43187 Message: 43238

I never met Garey in person but I feel like I have known him forever. A true gentlman and a ham's ham.

God speed, old man. I'll miss you.

73

Jim
NU0C

43239. Re: [DrakeRadio] AC-4 power connector.dfzdczdxzzmdzz

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 14:05:38 UTC
From: Vicente Durá Bono EA5YB
Topic: 43141 Message: 43239
Attachments: 1 described; binary payloads are missing from this source WARC

Zxxxzcddzdxfdd p oliz n edzxdççbdcxxf

El 18 feb. 2018 12:33, "Jeffrey Angus jdangus@att.net [DrakeRadio]"
<DrakeRadio@yahoogroups.com> escribió:

I need the connector that goes on the AC-4 power cable.

Thanks

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43240. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 19:54:10 UTC
From: Mike Bracey
Topic: 43169 Message: 43240

RIP Garey. Thanks for the many that you have helped.
Mike BraceyKE5YTV

From: "Wayne Smith oilieone@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com; VE7PS <ve7ps@...>
Sent: Monday, February 19, 2018 1:42 PM
Subject: Re: [DrakeRadio] K4OAH SK

  Thank you Garey. You will be missed.
Prayers for the family K5FEXOKC.

Wayne Smith
Sent from my iPhone
On Feb 19, 2018, at 1:32 PM, VE7PS ve7ps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

  Indeed, this is a sad day I feared was coming. His expertise in Drake Radios, especially the 4-line, was unparalleled and we will all miss him terribly. He has left us his legacy in his technical documents and many, many, posts that helped all of us in the Drakelist archives. He will NOT be forgotten.

RIP my friend. Your key may be silent, but your memory lives on forever.

Peter
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  This is terrible news.

From: Collins <collins-bounces+wbethoney=hotmail.com@...> on behalf of Tony Vitolo via Collins <collins@...>
Sent: Monday, February 19, 2018 2:18 PM
To: Collins Reflector
Subject: {Collins} K4OAH SK   It is with deep sadness to report that Garey Barrell K4OAH became a
silent key last night.

Tony Vitolo W4AV
Grayson GA.

P.S. Would somebody please post this on the Drake reflector
*** You are subscribed to Collins as wbethoney@...m. If you wish to unsubscribe, or modify your preferences please visit https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0 ***

| | Virus-free. www.avg.com |

43241. RE: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 21:37:21 UTC
From: Wayne Smith
Topic: 43169 Message: 43241

May I suggest, as an honor to Garey, a listing of the Drake Radio Yahoo Group members comments on his behalf be compiled in some format? Then present the comments as a memorial of Garey to his family.

I visited with Garey a couple of times a while back over issues with my C Line. Such a gentlemen he was! And his knowledge of Drakes? Unsurpassed! Now it’s his turn to assist in tuning the Great Transmitter! When each of us arrive as well, don’t you know that Transmitter will be in perfect alignment!

73,

Wayne

K5FEX

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Monday, February 19, 2018 2:19 PM
To: DrakeRadio@yahoogroups.com; VE7PS <ve7ps@...>
Subject: Re: [DrakeRadio] K4OAH SK

Rest in peace, my friend. Though I never met you in person, I felt as if I knew you. His expertise and his wit will be missed.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Mon, Feb 19, 2018 at 2:32 PM, VE7PS ve7ps@... <mailto:ve7ps@telus.net> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com> > wrote:

Indeed, this is a sad day I feared was coming. His expertise in Drake Radios, especially the 4-line, was unparalleled and we will all miss him terribly. He has left us his legacy in his technical documents and many, many, posts that helped all of us in the Drakelist archives. He will NOT be forgotten.

RIP my friend. Your key may be silent, but your memory lives on forever.

Peter
VE7PS

On 2/19/2018 11:20 AM, Wayne Bethoney wbethoney@... <mailto:wbethoney@...> [DrakeRadio] wrote:

This is terrible news.

From: Collins <mailto:collins-bounces+wbethoney=hotmail.com@...> <collins-bounces+wbethoney=hotmail.com@...> on behalf of Tony Vitolo via Collins

<mailto:collins@...> <collins@...>
Sent: Monday, February 19, 2018 2:18 PM
To: Collins Reflector
Subject: {Collins} K4OAH SK

It is with deep sadness to report that Garey Barrell K4OAH became a
silent key last night.

Tony Vitolo W4AV
Grayson GA.

P.S. Would somebody please post this on the Drake reflector
*** You are subscribed to Collins as wbethoney@.... If you wish to unsubscribe, or modify your preferences please visit https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins <https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0> &data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0 ***

<http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>

Virus-free. <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient> www.avg.com

---
This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

43242. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 01:13:01 UTC
From: Jim Shorney
Topic: 43111 Message: 43242

That's true, but there's no need for someone to hack a perfectly good microphone because they don't understand it. Use the proper tool for the job. If I want broadcast quality audio I have RE-20s, RE-320s, RE-27s, etc., to play with . If I want the DX on the other end to understand me I'll use a Turner ceramic, D-104, etc. One paradigm is perfect for 2M FM, the other is well suited to noisy HF circuits.

73

-Jim
NU0C

On Sat, 17 Feb 2018 16:33:59 +0000 (UTC), Brian Smith k9bps@...
[DrakeRadio] wrote:

>I guess it depends on how your like your audio to sound. Different strokes for different folks. That's why there's lots of choices. Not to say one is wrong and one is right.

--
The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris, "The Doctor's Wife"

43243. RE: [DrakeRadio] Re: L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 02:22:38 UTC
From: Vincent Lanese
Topic: 19735 Message: 43243

I had the same experience.

Vince N8MQV

From: DrakeRadio@...m [mailto:DrakeRadio@yahoogroups.com]
Sent: Sunday, February 18, 2018 6:06 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Re: L4B Issues

Just a thought that may help:

I do not think the soft start works with the unit set to 120 VAC only 240VAC.

I think I had one and the resistor on the soft start started burning on 120VAC.

I think it was on a L4, but maybe not.

Not enough volts to turn the relay on.

Wally KC9INK

43244. Re: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 22:49:23 UTC
From: William Pinkava
Topic: 43227 Message: 43244

I consider that very fair pricing. I’d jump on it. Have fun! Bill AE8EA

Sent from my iPhone

> On Feb 17, 2018, at 6:58 PM, brakemanbobsmith@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> HI
>
>
>
> Name is Bob Smith from West Elkton Ohio Call is KD8ZIF
>
>
> I am fairly new to Ham Radio got my Tech in 2013 and General a month later, the only rig I have is a TYT TH-9800 an Baofeng BF-F8HP
>
> I have always liked the vintage rigs and pretty much anything vintage which leads me here to the Drake Group.
>
> I have a chance to buy an TR4Cw with power supply and remote VFO from a Older Ham who has moved to a condo and can no longer use his radios.
>
> He is offering me the Drake TR4CW with power supply and remote vfo for $350.00
> He also has a Drake 2B Receiver with the 2BQ speaker for $150.00, I know I don't need the 2B but just kind of like it and like to have it LOL
> He also has the original manuals for all of the equipment and is including them.
> All were in working condition 7 months ago when he was still using them before the move.
>
> My question is do these seem like a good deal for this equipment?
> I believe it to be but just wanted to put it out there and see what you all may think.
>
> Thanks for letting me bend your ear and thanks in advance for any responses to my post,
>
> Bob
>
>
>

43245. Re: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 22:56:05 UTC
From: Mike Bracey
Topic: 43227 Message: 43245

Hi Bob,
Both would be excellent buys.
Mike/ KE5YTV

From: "brakemanbobsmith@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com
Sent: Tuesday, February 20, 2018 4:06 PM
Subject: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO

HI
Name is Bob Smith from West Elkton Ohio Call is KD8ZIF
I am fairly new to Ham Radio got my Tech in 2013 and General a month later, the only rig I have is a TYT TH-9800 an Baofeng BF-F8HP
I have always liked the vintage rigs and pretty much anything vintage which leads me here to the Drake Group.
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He is offering me the Drake TR4CW with power supply and remote vfo for $350.00 He also has a Drake 2B Receiver with the 2BQ speaker for $150.00, I know I don't need the 2B but just kind of like it and like to have it LOLHe also has the original manuals for all of the equipment and is including them. All were in working condition 7 months ago when he was still using them before the move.
My question is do these seem like a good deal for this equipment?I believe it to be but just wanted to put it out there and see what you all may think.
Thanks for letting me bend your ear and thanks in advance for any responses to my post,
Bob

43246. RE: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 22:57:54 UTC
From: Bob Novas
Topic: 43227 Message: 43246

Bob -

The TR4CW/PS/remoteVFO for $350 sounds like a steal. I would jump on that. The 2BQ/Speaker combo for $150 sounds like an OK deal.

There are pros and cons to old radios. I have had Drake radios since 1965, so I'm biased. Just remember, these radios are old. You will have some issues, but there's plenty of folks here who can help you. And at those prices, I don't think you can get hurt too bad. You'll not lose money, or not much anyway, IMHO.

Bob - W3DK

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Saturday, February 17, 2018 6:58 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO

HI

Name is Bob Smith from West Elkton Ohio Call is KD8ZIF

I am fairly new to Ham Radio got my Tech in 2013 and General a month later, the only rig I have is a TYT TH-9800 an Baofeng BF-F8HP

I have always liked the vintage rigs and pretty much anything vintage which leads me here to the Drake Group.

I have a chance to buy an TR4Cw with power supply and remote VFO from a Older Ham who has moved to a condo and can no longer use his radios.

He is offering me the Drake TR4CW with power supply and remote vfo for $350.00

He also has a Drake 2B Receiver with the 2BQ speaker for $150.00, I know I don't need the 2B but just kind of like it and like to have it LOL

He also has the original manuals for all of the equipment and is including them.

All were in work ing condition 7 months ago when he was still using them before the move.

My question is do these seem like a good deal for this equipment?

I believe it to be but just wanted to put it out there and see what you all may think.

Thanks for letting me bend your ear and thanks in advance for any responses to my post,

Bob

43247. Re: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 23:05:19 UTC
From: Bill Houghton
Topic: 43227 Message: 43247

Hi Bob,
I think both package deal are good deals.
73,Bill. WA6NEQ

From: "brakemanbobsmith@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com
Sent: Tuesday, February 20, 2018 2:06 PM
Subject: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO

HI
Name is Bob Smith from West Elkton Ohio Call is KD8ZIF
I am fairly new to Ham Radio got my Tech in 2013 and General a month later, the only rig I have is a TYT TH-9800 an Baofeng BF-F8HP
I have always liked the vintage rigs and pretty much anything vintage which leads me here to the Drake Group.
I have a chance to buy an TR4Cw with power supply and remote VFO from a Older Ham who has moved to a condo and can no longer use his radios.
He is offering me the Drake TR4CW with power supply and remote vfo for $350.00 He also has a Drake 2B Receiver with the 2BQ speaker for $150.00, I know I don't need the 2B but just kind of like it and like to have it LOLHe also has the original manuals for all of the equipment and is including them. All were in working condition 7 months ago when he was still using them before the move.
My question is do these seem like a good deal for this equipment?I believe it to be but just wanted to put it out there and see what you all may think.
Thanks for letting me bend your ear and thanks in advance for any responses to my post,
Bob

43248. TR4CW

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 12:24:41 UTC
From: brakemanbobsmith@...
Topic: 42809 Message: 43248

Hello
New to group, I am Bob Smith KD8ZiF.
I have been offered a Drake TR4CW with power supply an remote VFO from a ham that recently moved from his home into a condo and can no longer use his radios due to anntena restrictions.
All his equipment was in working order and in use 7 months ago when he made the move due to mobility issues an no longer being able to care for his home.
He has offered me the TR4CW with power supply an remote VFO for $350.00
My question is ? Is this a good deal?
He also has Drake 2B receiver an 2BQ speaker that he is asking $150 for ?
Thanks is advance for your response.

Bob

43249. Re: [DrakeRadio] L4-B weight

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 02:45:01 UTC
From: Richard Knoppow
Topic: 43154 Message: 43249

See the data sheet at:
http://www.wb4hfn.com/DRAKE/DrakeCatalogsBrochures/Brochure_L4B_02.htm

Gives weight as:
Amplifier, 32 lbs
Power supply, 43 lbs

This appears to be net weight, not shipping weight.

On 2/18/2018 5:42 PM, Bill Abate wabate@... [DrakeRadio]
wrote:
> I have my L4-B up for sale. In case I have to ship it, I need the
> weight of the PS and amp separately. I can't find it in the manual.
> Not necessary to the the ounce but close enough.
>
> Tnx es 73,
>
> Bill, K3PGB

--
Richard Knoppow
1oldlens1@...
WB6KBL

43250. Re: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-17 22:01:07 UTC
From: Hank Lambert
Topic: 43111 Message: 43250

Thanks for the info and the history. I enjoyed reading it.

73,

--Hank
KB4MTO / TA5ZC
https://www.hamradio.hanklambert.com

On 2/17/2018 12:46 AM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> The difference is that an electret requires an impedance
> matching amplfier. It works like a condenser microphone except
> that it has a permanent charge. It is the electrostatic
> equivalent of a permanent magnet.
> The structure is very simple so there are few parasitic
> resonances. In this way it is also like a condenser mic. With
> good design electrets have quality very much like good condenser
> mics. Because they are cheap to make and absorb very little power
> they have pretty much supplanted carbon mics for all applications.
> Crystal microphones were very popular beginning in the 1930s
> because they had extremely high output and would work into an
> "open grid" of a tube, i.e., no transformer being needed.
> Crystal phonograph pickups became the standard for home use for
> the same reasons. Crystals were also used as cutters for
> phonograph records in lower priced recorders. They were
> relatively efficient and worked with simple amplifiers. Because
> crystal transducers are relatively simple they can have quite
> good quality. A few high fidelity "studio grade" crystal mics
> were made where the surfaces of several crystals were exposed
> directly to the sound without any diaphragm. The output was much
> lower than the kind with the usual diaphragm but the frequency
> response was very wide and smooth and distortion low. Such
> microphones were also used for sound measurements where the
> ultimate in precision obtainable from a condenser microphone was
> not needed.
> Unfortunately, Rochelle salt crystals are extremely
> vulnerable to moisture, moderately high temperatures (about 122F
> being the limit) and subject to fracture from mechanical damage.
> About the late 1940s ceramic materials became available with
> similar advantages to the crystals but with much better
> mechanical qualities. The output levels were lower but still high
> enough to make them good replacements for the crystal elements
> for many purposes. Other than needing a very small amount of
> external power electret mics have pretty much supplanted crystal
> and ceramic mics as well as carbon.
> FWIW, the rising response of the D-104 is not typical of

> crystal mics, rather it is a deliberate design intended to
> improve the intelligibility of speech under noisy conditions. The
> same kind of response can be obtained with about any type of
> microphone element.
> I got kicked off the Collins Collectors Association list for
> posting something like this, I hope the Drake people will be more
> tolerant.
>
> On 2/16/2018 6:40 PM, Brian Smith wrote:
>> Speaking of the d-104, there is someone on eBay that sells an electret replacement element for them with better frequency response than the original. Takes about 10 min to disassemble the mic and install. Doesn’t make it sound like a $300 mic but much better than the original
>>
>> Brian Smith
>

43251. Re: [DrakeRadio] Re: L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 02:52:10 UTC
From: Paul Kraemer
Topic: 19735 Message: 43251

The soft start will work on 120v but the power resistor MUST be changed to 12 ohm from it’s 22 ohm standard 220v version.
I have the resistors but never had to supply one as nobody ever wanted to run it on 120v
Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com
Sent: Sunday, February 18, 2018 5:05 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Re: L4B Issues

Just a thought that may help:
I do not think the soft start works with the unit set to 120 VAC only 240VAC.
I think I had one and the resistor on the soft start started burning on 120VAC.
I think it was on a L4, but maybe not.
Not enough volts to turn the relay on.
Wally KC9INK

43252. Re: [DrakeRadio] Detent Missing on R4B Function Switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 15:09:46 UTC
From: Jeffrey Angus
Topic: 43142 Message: 43252

On 2/18/18 8:52 AM, k3jls@... [DrakeRadio] wrote:
> Could a ball bearing have fallen out, or something like that?
It depends, there are either one or two balls for the detent
mechanism.
Right behind the panel mount bushing,
If the balls are missing they can be replaced.
If the spring that holds them in place fell off, well, that's more
complicated to fix.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43253. Re: K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 20:44:02 UTC
From: Richard Knoppow
Topic: 43169 Message: 43253

I think this is an excellent idea. For some reason I thought
Garey was married but don't know. If he was this must be a very
difficult time for his wife.
I think a measure of his quality is how much it has affected
all of us.

On 2/19/2018 11:59 AM, Joe wrote:
> Even though we thought it was coming, it is still a deep shock.
>
> Was Garey married? Have children involved in amateur radio?
>
> His CD's are a valuable legacy to the man, I would hate to see them
> disappear with his passing.
>
> If we can gain access to the library, I was thinking we, as a group, could
> still offer them for a fee and make sure the funds go to his
> widow/children/family, etc.
>
> I think we could set something up through eBay and PayPal so that once the
> manager of the account verifies the funds, a sales key could be sent and the
> purchaser would be able to download that CD.
>
> As the Co-Owner of the group, I never thought about that aspect here, I have
> always considered myself the 'janitor' if you will and Garey the boss.
>
> If anyone can offer up any family information, it would be really helpful.
>
> Garey, It has been a pleasure...R.I.P. my friend!
>
> Joe Wolfe - W7RKN
> Reno, Nevada
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43254. Re: [DrakeRadio] R4 series with another manufacturer transmitter..

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 02:10:13 UTC
From: Steve Wedge
Topic: 43135 Message: 43254

Years ago, when I first got my novice, I had a Swan 500. The receive passband was a mile wide - unacceptable for 40m, to say the least!

I bought a non-working R-4A from my Elmer and found a Johnson TR switch at a hamfest. I used this combo for about a year - manually changing over the Swan to TX. I even used this setup in my first contest.

So yes, it certainly can be done :-)

Wish I still had that R-4A.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Feb 17, 2018, at 20:54, bsa0791@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Going to try to pair my R4 with a Heathkit SB401 transmitter. Anyone have any luck doing something similar? This will be for cw only.
>
>
>
> thank kb4mng nc
>
>

43255. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-19 19:12:56 UTC
From: Evan
Topic: 19735 Message: 43255

I would be apprehensive about using the IC-7300, or any modern rig, without an interface on the PTT line. The relay in the L4B, L4, and L7 linears has a current draw and/or inductive spikes that are beyond the ratings of many newer rigs' capabilities in terms of their reed relays or MOSFETs.

73,

Evan, K9SQG

43256. Re: R-4A s-meter issue

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 21:46:14 UTC
From: hwfoglesong@...
Topic: 43188 Message: 43256

Issue appears to be bias variation. Bias starts at -1.9v at startup and declines steadily with s-meter readings until it reaches about-.66 volt, over about a 8 minute period. S-meter reads S-9 at startup and declines to S-1 over same period. So, I will for now concentrate on getting to the bottom of that bias variation. Drake spec is for -1.3v (no signal).

Hank

43257. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-18 20:37:37 UTC
From: Richard Knoppow
Topic: 19735 Message: 43257

A couple of things, the plat tuning capacitor should be
toward _minimum_ capacitance at 10 meters and near maximum at 160
meters. I don't think this is responsible for your problem which
sounds like the tubes are not conducting.
From your description the plate current flows for only a
fraction of a second when the exciter is keyed, that sounds like
the VOX relay is not holding in. I am not familiar with the
details of the soft start but wonder if it could be causing this
short term drop out.
You must first check the DC voltages on the tubes. The panel
meter should give you an indication. If you have plate voltage
and no plate current it suggests the tubes are biased to cut off
or are dead.
Since you modified the amp by installing the soft start I
would go over your work very carefully and maybe have someone
else also check it to make sure its done correctly.

On 2/18/2018 11:26 AM, Eric Moore k8cca@...
[DrakeRadio] wrote:
>
>
> Hey guys, been working on my L4B for a while and finally got it
> put back together and wired for 240V. When I got a year ago, the
> power supply caps where puking their guts out, and it was wired
> for 120V, so I didn?t want to run it and then life got in the
> way, so I just got the upgrades finished.? I added the Harbach
> softstart board from Paul K0UYA, the Harbach PS upgrade, and
> replaced the glitch resistor with a proper one from Harbach.? The
> amp worked before I started, but now it don?t.? When the L4B is
> in standby mode, and I put power from the exciter, I see that
> power on my external wattmeter (Drake W4).? When I key the amp, I
> see plate current, but no power out and no plate current dip
> (it?s at about .2ma for a second or so a few times, after letting
> it cool down between attempts).
>
> I have about 1600 volts on the plate in CW tune mode, and have
> the AGC set to 0, no external AGC connected. I have the LOADING
> cap set to 0.? I have Paul?s K0UYA soft-start board bias set to
> 4.0 Volts (this amp has newer RF Parts Graphite tubes in it). I
> have the exciter set to 50Watts (IC-7300) and am keying the amp
> just fine.? Have rig in CW mode, sending dots at 48WPM to further
> limit duty cycle), the RF output is connected to a Heathkit
> Cantenna.
>
> During the refurb, I removed the front panel to clean it up and

> replaced the blue gel and one of the lamps on the meter.? One
> issue is that I am not 100% sure that I got the PLATE capacitor
> pointer back in the correct position, it is currently fully
> meshed at the 10 meter location.? I can?t seem to find how the
> plate capacitor should be set for which band.
>
> I have also found is that center pin of the RF output goes to
> ground when the relay is pressed.? Searching back up the signal
> chain, I see where there is a connection to ground thru RFC5, so
> I guess this is to be expected when testing with VOM. So where is
> my RF going?? I don?t see anything burned, but there is some
> evidence of past issues, as the plate capacitor has a little bit
> of a couple fins that looked melted, but they have been cleaned
> up and this was here before I started.
>
> So this is where I am, I am stuck.? Not sure what else to look
> for.? Any ideas?
>
> Thanks,
>
> Eric
>
> K8CCA

--
Richard Knoppow
1oldlens1@...
WB6KBL

43258. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 00:15:07 UTC
From: VE7PS
Topic: 43201 Message: 43258

Richard:

Indeed, you can get away this on the B-line and earlier, but not on the C-line twin dials mechanism.? The dials are fixed to each other, and to some of the gears themselves, with 2 (later 3) tiny brass rivets so they will not rotate without "releasing" one, or two, of the idler gears in the mechanism, depending on whether you have a no lever, one lever, or two lever model.? The levers were added in later serial numbers to facilitate alignment of the two dials.? It's still a bit of a "3-hands would be nice" job though to get it done, especially with the "no lever" or "one lever" versions!

On the B-line, Drake gave us the little red button to slide the dial window to correct for "end spread", and variations, aging, temperature or whatever, changes in the het osc xtals from band to band.? On the C-line dial, we got the "push in and hold the dial skirt, then rotate the knob" action to make that same correction. As with the window slider though, travel was limited mechanically. In the C-line case, this was accomplished by a small roll pin inserted through a tiny hole in the 1/4" shaft that would catch a plastic tab on the rear of the innermost gear attached (glued?) to the inner brass tube.

BTW, I am doing this completely from memory, as I am far from my beloved Drakes.? If I've messed up, let me know.? I can't go and check? a PTO on my bench!? :-)

I did manage to work out a non-invasive method for setting the adjustment stop at midpoint while skiing at 7000' + feet this morning.? Maybe it was the cold..... 0 deg F!! Brrrr!

73,
Peter
VE7PS

On 2/20/2018 10:39 AM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> The dial in the C line is different from the B and I am much
> more familiar with the B line than the C, however in the B the
> dial itself will slip; you can push it with your fingers. I think
> there are two dials in the C but its worth checking to see if you
> can just push it to where it should be.
>
> On 2/19/2018 8:07 PM, Dave Edwards kd2e@... [DrakeRadio]
> wrote:
>>
>> Having not used my R4C in a fairly long time, I noticed I could

>> not calibrate the dial.
>>
>> I think you hold the skirt, and tune the knob to zero beat at a
>> 25 multiple.
>>
>> So, holding the skirt should lock the dial, while the VFO still
>> tunes...something like that??
>>
>> Mine, nothing is being held. the dial still turns when you hold
>> the skirt.
>>
>> Something is not doing its' job. Anyone have a thought before I
>> throw it on the bench??
>>
>> ....Dave
>

This email has been checked for viruses by AVG.
http://www.avg.com

43259. SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 21:54:39 UTC
From: wb0rxl@...
Topic: 43259 Message: 43259

Greetings.

With the terrible news about the passing of K4OAH, it reminds me of a topic we don't like to discuss, but should be touched upon. What will happen to my ham gear upon my death? Years ago I knew of a ham who lived across the street from a friends house. I noticed one day the tower was gone. My friend related that he had died. When he visited with the widow she mentioned that "a nice young man came and took everything away - and didn't charge me anything!" Since this was in a lower socio-economic section of the area, I suspect she could have really used the money from the sale of her husband's gear.

In addition to our regular will, I have outlined a specific plan for my wife or other family members to use as a guide upon my death. Some of it depends upon their desire for the equipment, but it also gives contact names and numbers for those who could be asked to sell various items.

So as we mourn the passing of our friend, I also put the question to each of us - What is the plan for YOUR equipment?

John
WB0RXL

43260. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 01:04:06 UTC
From: john
Topic: 43166 Message: 43260

When Garey was in the hospital a few yrs back, someone posted an address to send get-well QSL cards to. IIRC the address was in Va or Md , wasn't it?

I'll really miss him. He was generous, gracious, skilled and a friend I never met face to face.

John K5MO

43261. Re: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 01:08:01 UTC
From: Barry
Topic: 43227 Message: 43261

I think those are pretty good prices. That 2B and 2BQ are particularly good prices if in good condition.

73,
Barry - N4BUQ

----- Original Message -----
> From: "brakemanbobsmith@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Saturday, February 17, 2018 5:58:15 PM
> Subject: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO
>
> HI
>
>
> Name is Bob Smith from West Elkton Ohio Call is KD8ZIF
>
>
> I am fairly new to Ham Radio got my Tech in 2013 and General a month later,
> the only rig I have is a TYT TH-9800 an Baofeng BF-F8HP
>
>
> I have always liked the vintage rigs and pretty much anything vintage which
> leads me here to the Drake Group.
>
>
> I have a chance to buy an TR4Cw with power supply and remote VFO from a
> Older Ham who has moved to a condo and can no longer use his radios.
>
>
> He is offering me the Drake TR4CW with power supply and remote vfo for
> $350.00
> He also has a Drake 2B Receiver with the 2BQ speaker for $150.00, I know I
> don't need the 2B but just kind of like it and like to have it LOL
> He also has the original manuals for all of the equipment and is including
> them.
> All were in working condition 7 months ago when he was still using them
> before the move.
>
>
> My question is do these seem like a good deal for this equipment?
> I believe it to be but just wanted to put it out there and see what you all
> may think.
>
>

> Thanks for letting me bend your ear and thanks in advance for any responses
> to my post,
>
>
> Bob
>
>
>

43262. Re: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 01:08:05 UTC
From: Kc9cdt@...
Topic: 43227 Message: 43262

Bob...If there in good working order...buy it

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: brakemanbobsmith@yahoo.com [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Tue, Feb 20, 2018 5:07 pm
Subject: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO

HI

Name is Bob Smith from West Elkton Ohio Call is KD8ZIF

I am fairly new to Ham Radio got my Tech in 2013 and General a month later, the only rig I have is a TYT TH-9800 an Baofeng BF-F8HP

I have always liked the vintage rigs and pretty much anything vintage which leads me here to the Drake Group.

I have a chance to buy an TR4Cw with power supply and remote VFO from a Older Ham who has moved to a condo and can no longer use his radios.

He is offering me the Drake TR4CW with power supply and remote vfo for $350.00
He also has a Drake 2B Receiver with the 2BQ speaker for $150.00, I know I don't need the 2B but just kind of like it and like to have it LOL
He also has the original manuals for all of the equipment and is including them.
All were in work ing condition 7 months ago when he was still using them before the move.

My question is do these seem like a good deal for this equipment?
I believe it to be but just wanted to put it out there and see what you all may think.

Thanks for letting me bend your ear and thanks in advance for any responses to my post,

Bob

43263. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 01:17:23 UTC
From: Steve Wedge
Topic: 19735 Message: 43263

Occam's Razor, FTW!

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Feb 18, 2018 at 3:55 PM, Eric Moore k8cca@sbcglobal.net
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Hey guys, it’s working now, I had the plate capacitor indicator 180
> degrees out, I flipped the needle around and it works fine now. Thanks for
> your help. Had been over all my work several times over the last few weeks
> and was pretty certain that it was correct. Only thing I was not 100% on
> was the pate cap and decided to flip it around and try it and that was the
> issue.
>
>
>
> 73,
>
> Eric
>
> K8CCA now QRO :)
>
>
>
>
>
>
>
>
> *From: *Richard Knoppow 1oldlens1@... [DrakeRadio]
> <DrakeRadio@yahoogroups.com>
> *Sent: *Sunday, February 18, 2018 3:43 PM
> *To: *DrakeRadio@yahoogroups.com; Eric Moore <k8cca@...>
> *Subject: *Re: [DrakeRadio] L4B Issues
>
>
>
>
> I couldn't find a schematic for the soft start on the Harbach
>
> web site. Presumably they sent some sort of documentation with
>
> it. Check over the wiring to make sure its correct and see if
>

> there is a way to checking the thing to make sure its working
>
> correctly. You might write them to see if they can help. They
>
> have a very good reputation.
>
>
>
> On 2/18/2018 11:26 AM, Eric Moore k8cca@...
>
> [DrakeRadio] wrote:
>
> >
>
> >
>
> > Hey guys, been working on my L4B for a while and finally got it
>
> > put back together and wired for 240V. When I got a year ago, the
>
> >
>
>
>
>
> --
>
> Richard Knoppow
>
> 1oldlens1@...
>
> WB6KBL
>
>
>
>
>
>
> ------------------------------------
>
>
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> ------------------------------------
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>

> Yahoo Groups Links
>
>
>
> http://groups.yahoo.com/group/DrakeRadio/
>
>
>
> Individual Email | Traditional
>
>
>
> http://groups.yahoo.com/group/DrakeRadio/join
>
> (Yahoo! ID required)
>
>
>
> DrakeRadio-digest@yahoogroups.com
>
> DrakeRadio-fullfeatured@yahoogroups.com
>
>
>
> DrakeRadio-unsubscribe@yahoogroups..com
>
>
>
> https://info.yahoo.com/legal/us/yahoo/utos/terms/
>
>
>
>
>
>
>

43264. RE: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 01:33:27 UTC
From: Joe
Topic: 19735 Message: 43264

It's Yahooy. It happens on occasion. If it continues into tomorrow, let me know.

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] L4B Issues

I am getting multiple posts, about three at a time, from the list. Is it just me?

43265. Re: [DrakeRadio] AC-4 power connector.dfzdczdxzzmdzz

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 01:42:48 UTC
From: Kc9cdt@...
Topic: 43141 Message: 43265

Vincinte......do you need a AC-4 power connector? I have one.
Not sure about shipping??
73,
Lee, KC9CDT

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Vicente Durá Bono EA5YB ea5yb@msn.com [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Jeffrey Angus <jdangus@...>
Sent: Tue, Feb 20, 2018 8:33 pm
Subject: Re: [DrakeRadio] AC-4 power connector.dfzdczdxzzmdzz

Zxxxzcddzdxfdd p oliz n edzxdççbdcxxf

El 18 feb. 2018 12:33, "Jeffrey Angus jdangus@... [DrakeRadio]"
<DrakeRadio@yahoogroups.com> escribió:

I need the connector that goes on the AC-4 power cable.

Thanks

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43266. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 02:00:50 UTC
From: Richard Knoppow
Topic: 19735 Message: 43266

Thanks. I've also gotten three or four messages from the
Yahoo machine that it couldn't take a message. I am not sure if
those messages ever showed up on the list. Obviously Yahoo.

On 2/20/2018 5:33 PM, Joe wrote:
> It's Yahooy. It happens on occasion. If it continues into tomorrow, let me
> know.
>
> Joe - W7RKN

--
Richard Knoppow
1oldlens1@...
WB6KBL

43267. Re: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 02:09:08 UTC
From: Robert Smith
Topic: 43227 Message: 43267

Yea defiantly going to seek out a Elmer, got a lot to learn.
Bob KD8ZIF

On Tuesday, February 20, 2018 8:35 PM, "Hal Dale wb4aeg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

All a bargain if working properly.... But, if ur not familiar with tube rigs, it may be a good idea to get a local old ham to help with the initial hookup/tuneup...Hal/WB4AEG

---- On Sat, 17 Feb 2018 18:58:15 -0500 brakemanbobsmith@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote ----

HI

Name is Bob Smith from West Elkton Ohio Call is KD8ZIF

I am fairly new to Ham Radio got my Tech in 2013 and General a month later, the only rig I have is a TYT TH-9800 an Baofeng BF-F8HP

I have always liked the vintage rigs and pretty much anything vintage which leads me here to the Drake Group.

I have a chance to buy an TR4Cw with power supply and remote VFO from a Older Ham who has moved to a condo and can no longer use his radios.

He is offering me the Drake TR4CW with power supply and remote vfo for $350.00
He also has a Drake 2B Receiver with the 2BQ speaker for $150.00, I know I don't need the 2B but just kind of like it and like to have it LOL
He also has the original manuals for all of the equipment and is including them.
All were in working condition 7 months ago when he was still using them before the move.

My question is do these seem like a good deal for this equipment?
I believe it to be but just wanted to put it out there and see what you all may think.

Thanks for letting me bend your ear and thanks in advance for any responses to my post,

Bob

43268. Re: [DrakeRadio] Drake TR4CW with power supply aqnd remote VFO

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 02:09:48 UTC
From: Steve Wedge
Topic: 43227 Message: 43268

Great prices for non-damaged, working rigs.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Feb 20, 2018, at 17:09, Hal Dale wb4aeg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> All a bargain if working properly.... But, if ur not familiar with tube rigs, it may be a good idea to get a local old ham to help with the initial hookup/tuneup...Hal/WB4AEG
>
>
> ---- On Sat, 17 Feb 2018 18:58:15 -0500 brakemanbobsmith@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote ----
>
>
>
>
> HI
>
>
>
> Name is Bob Smith from West Elkton Ohio Call is KD8ZIF
>
>
> I am fairly new to Ham Radio got my Tech in 2013 and General a month later, the only rig I have is a TYT TH-9800 an Baofeng BF-F8HP
>
> I have always liked the vintage rigs and pretty much anything vintage which leads me here to the Drake Group.
>
> I have a chance to buy an TR4Cw with power supply and remote VFO from a Older Ham who has moved to a condo and can no longer use his radios.
>
> He is offering me the Drake TR4CW with power supply and remote vfo for $350.00
> He also has a Drake 2B Receiver with the 2BQ speaker for $150.00, I know I don't need the 2B but just kind of like it and like to have it LOL
> He also has the original manuals for all of the equipment and is including them.
> All were in working condition 7 months ago when he was still using them before the move.
>
> My question is do these seem like a good deal for this equipment?
> I believe it to be but just wanted to put it out there and see what you all may think.
>
> Thanks for letting me bend your ear and thanks in advance for any responses to my post,
>

> Bob
>
>
>
>
>
>
>
>

43269. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 02:09:52 UTC
From: Raoul Meunier
Topic: 43169 Message: 43269

Very sad news. My prayers are with you and your family, Garey, Thank you for generously sharing your experience with us. Rest in peace.

Raoul CE3RY

2018-02-19 16:54 GMT-03:00 Mike Bracey mikebracey@... [DrakeRadio] <DrakeRadio@yahoogroups.com>:

>
>
> RIP Garey. Thanks for the many that you have helped.
>
> Mike Bracey
> KE5YTV
>
>
> ------------------------------
> *From:* "Wayne Smith oilieone@... [DrakeRadio]" <
> DrakeRadio@yahoogroups.com>
> *To:* DrakeRadio@yahoogroups.com; VE7PS <ve7ps@...>
> *Sent:* Monday, February 19, 2018 1:42 PM
> *Subject:* Re: [DrakeRadio] K4OAH SK
>
>
> Thank you Garey. You will be missed.
>
> Prayers for the family
> K5FEX
> OKC.
>
> Wayne Smith
>
> Sent from my iPhone
>
> On Feb 19, 2018, at 1:32 PM, VE7PS ve7ps@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com> wrote:
>
>
>
> Indeed, this is a sad day I feared was coming. His expertise in Drake
> Radios, especially the 4-line, was unparalleled and we will all miss him
> terribly. He has left us his legacy in his technical documents and many,
> many, posts that helped all of us in the Drakelist archives. He will NOT
> be forgotten.
>
> RIP my friend. Your key may be silent, but your memory lives on forever.
>

> Peter
> VE7PS
>
> On 2/19/2018 11:20 AM, Wayne Bethoney wbethoney@... [DrakeRadio]
> wrote:
>
>
> This is terrible news.
>
>
> ------------------------------
> *From:* Collins <collins-bounces+wbethoney=hotmail.com@...>
> <collins-bounces+wbethoney=hotmail.com@...> on behalf of Tony
> Vitolo via Collins <collins@...> <collins@...>
> *Sent:* Monday, February 19, 2018 2:18 PM
> *To:* Collins Reflector
> *Subject:* {Collins} K4OAH SK
>
> It is with deep sadness to report that Garey Barrell K4OAH became a
> silent key last night.
>
> Tony Vitolo W4AV
> Grayson GA.
>
> P.S. Would somebody please post this on the Drake reflector
> *** You are subscribed to Collins as wbethoney@.... If you wish
> to unsubscribe, or modify your preferences please visit
> https://nam01.safelinks.protection.outlook.com/?url=https%
> 3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%
> 2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4
> %7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C63654664760023
> 8173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0 ***
>
>
>
> [image: alt]
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient> Virus-free.
> www.avg.com
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
> <https://mail.yahoo.com/?.partner=sbc&soc_src=mail&soc_trk=ma#DAB4FAD8-2DD7-40BB-A1B8-4E
2AA1F9FDF2>
>
>
>
>
>

43270. RE: [DrakeRadio] Different mics with TR-3

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 02:24:03 UTC
From: Joe
Topic: 43111 Message: 43270

YUP!!

I use a Heil GM-5 for DX, and a Heil GM-4 for local rag chewing. This on a Kenwood TS-2000X.

I use an unamplified D-104 on the Drakes.

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Different mics with TR-3

That's true, but there's no need for someone to hack a perfectly good microphone because they don't understand it. Use the proper tool for the job.
If I want broadcast quality audio I have RE-20s, RE-320s, RE-27s, etc., to play with . If I want the DX on the other end to understand me I'll use a Turner ceramic, D-104, etc. One paradigm is perfect for 2M FM, the other is well suited to noisy HF circuits.

73

-Jim
NU0C

43271. Re: [DrakeRadio] AC-4 power connector.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 02:34:42 UTC
From: Gary Follett
Topic: 43141 Message: 43271

I have a few NOS 12 pin Cinch female connectors.

$14 each shipped in CONUSA.

GARY

Sent from my iPad

> On Feb 18, 2018, at 6:33 AM, Jeffrey Angus jdangus@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> I need the connector that goes on the AC-4 power cable.
>
> Thanks
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>

43272. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 02:36:47 UTC
From: Richard AG5M
Topic: 43169 Message: 43272

I, like so many others, never met Garey face to face, but helped me he did with his wonderful CDs and helpful advice. For sure I will miss him on the group. R.I.P. my friend.
73, Richard AG5M

43273. Re: K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 02:43:24 UTC
From: Kevin Elliott
Topic: 43169 Message: 43273

I offer my sincere condolences to Garey's family and friends, I ask the Lord to hold them close in their time of need. Since I joined the Drake group Garey has offered me some of the best technical advice on my TR-4, L4B and C-line. Without his assistance I don't believe either set of radios or the amp would be working. Does anyone know if the family has asked for money to be given to certain group or organization in Garey's name?
Kevin Elliott - KG0MN

43274. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 02:48:30 UTC
From: Gary Follett
Topic: 43169 Message: 43274

I too pass along my condolences to all who closely knew Garey closely. I never met him but certainly benefited from his always useful and accurate postings. His knowledge and personality will be missed by so many...

73 Garey,

Gary
W0DVN

Sent from my iPad

> On Feb 19, 2018, at 5:35 PM, GALE STEWARD k3nd@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Sad news indeed. Garey was a huge help to me, and countless others, in fixing the vintage Drakes.
>
> His excellent CD's were a wonderful idea and a wealth of info. I have a bunch of them.
>
> Thanks Garey, RIP...
>
> Stew K3ND
>
>
> From: "'Henry L. Dorkin' dorkinh@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>; VE7PS <ve7ps@...>; steve27302@...
> Sent: Monday, February 19, 2018 3:47 PM
> Subject: Re: [DrakeRadio] K4OAH SK
>
>
>
>
> If the mark of a man is measured by how many people he has helped, and multiplied by how this was done selflessly and cheerfully, then Gary certainly has left an indelible mark upon the Drake community in general and all of us individually. As already has been said, he certainly has my thanks for a "job well done."
>
> Hank
> WM1V
>
>
>
>
>
>

>
>
> Rest in peace, my friend. Though I never met you in person, I felt as if I knew you. His expertise and his wit will be missed.
>
> Steve Wedge, W1ES/4
>
> Time flies like an arrow; fruit flies like a banana.
>
> On Mon, Feb 19, 2018 at 2:32 PM, VE7PS ve7ps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Indeed, this is a sad day I feared was coming. His expertise in Drake Radios, especially the 4-line, was unparalleled and we will all miss him terribly. He has left us his legacy in his technical documents and many, many, posts that helped all of us in the Drakelist archives. He will NOT be forgotten.
>
> RIP my friend. Your key may be silent, but your memory lives on forever.
>
> Peter
> VE7PS
>
>> On 2/19/2018 11:20 AM, Wayne Bethoney wbethoney@... [DrakeRadio] wrote:
>>
>> This is terrible news.
>>
>>
>> From: Collins <collins-bounces+wbethoney= hotmail.com@...> on behalf of Tony Vitolo via Collins <collins@listserve.com>
>> Sent: Monday, February 19, 2018 2:18 PM
>> To: Collins Reflector
>> Subject: {Collins} K4OAH SK
>>
>> It is with deep sadness to report that Garey Barrell K4OAH became a
>> silent key last night.
>>
>> Tony Vitolo W4AV
>> Grayson GA.
>>
>> P.S. Would somebody please post this on the Drake reflector
>> *** You are subscribed to Collins as wbethoney@...m. If you wish to unsubscribe, or modify your preferences please visit https://nam01.safelinks. protection.outlook.com/?url= https%3A%2F%2Fmailman. listserve.com%2Flistmanager% 2Flistinfo%2Fcollins&data=02% 7C01%7C% 7Cad401f3c10f04520885308d577cd acd4% 7C84df9e7fe9f640afb435aaaaaaaa aaaa%7C1%7C0% 7C636546647600238173&sdata= XvMCviC9S55dc156ICQdHSW8tjqhrW jV4muKdDpNjSA%3D&reserved=0 ***
>
> Virus-free. www.avg.com
>
>
>

>
>
>

43275. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 22:39:03 UTC
From: wm.cochrane@...
Topic: 43169 Message: 43275

RIP, Garey. You exemplified the ham's ideals of giving back...the epitome of an "Elmer". Thanks.

43276. RE: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 03:20:03 UTC
From: Vincent Lanese
Topic: 19735 Message: 43276

No, it not just you...

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Sunday, February 18, 2018 4:13 PM
To: DrakeRadio@yahoogroups.com; Bob Maser <bob.maser@...>; Eric Moore
<k8cca@...>
Subject: Re: [DrakeRadio] L4B Issues

I am getting multiple posts, about three at a time, from the list. Is it
just me?

On 2/18/2018 12:53 PM, Bob Maser bob.maser@... [DrakeRadio]
wrote:
>
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

43277. Re: [DrakeRadio] L4-B weight

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 03:56:03 UTC
From: Evan
Topic: 43154 Message: 43277

Not sure how they calculated the weight because the tubes should be shipped themselves, not installed in the RF deck.

Too, one should check the shipping company to see if they are insurable. For one shipper, they did not exclude vacuum tubes in the website area listing "uninsurable", but in the insurance claim section vacuum tubes ARE listed. Seller beware.

73,

Evan, K9SQG

-----Original Message-----
From: Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Bill Abate <wabate@...>
Sent: Tue, Feb 20, 2018 10:29 pm
Subject: Re: [DrakeRadio] L4-B weight

See the data sheet at:
http://www.wb4hfn.com/DRAKE/DrakeCatalogsBrochures/Brochure_L4B_02.htm

Gives weight as:
Amplifier, 32 lbs
Power supply, 43 lbs

This appears to be net weight, not shipping weight.

On 2/18/2018 5:42 PM, Bill Abate wabate@... [DrakeRadio]
wrote:
> I have my L4-B up for sale. In case I have to ship it, I need the
> weight of the PS and amp separately. I can't find it in the manual.
> Not necessary to the the ounce but close enough.
>
> Tnx es 73,
>
> Bill, K3PGB

--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

43278. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 04:26:26 UTC
From: Richard Knoppow
Topic: 19735 Message: 43278

Same here, I get "new" posts that are completely out of time.
I also got some error messages from Yahoo telling me that my mail
could not be delivered. Something screwed up with their system.
Maybe they are working on it. Maybe hacking, you never know these
days.

On 2/20/2018 7:25 PM, VE7PS wrote:
> Richard:
>
> You are not alone!? Me too!
>
> On top of that, this one from you arrived two days late and I am
> getting all kinds of others today that were written yesterday or
> the day before.? Yahoo seems to be falling apart.
>
> Makes for a very disjointed discussion on any one topic!
>
> 73
> Peter
> VE7PS
>
> On 2/18/2018 1:12 PM, Richard Knoppow 1oldlens1@...
> [DrakeRadio] wrote:
>> ???? I am getting multiple posts, about three at a time, from the
>> list. Is it just me?

--
Richard Knoppow
1oldlens1@...
WB6KBL

43279. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 00:14:57 UTC
From: ckepus@...
Topic: 43166 Message: 43279

As many have commented, Garey was the epitome of an Elmer, a friend, and an ultimate expert on all things Drake. Despite the amount of time it took to accomplish all his helpful activity that is documented forever on the web, he was also willing to go "off-line" with you and spend as much time and effort as necessary to help solve a problem. I benefited greatly and am grateful beyond words that I had the privilege to receive Garey's help. He was a special person. His family will be proud to know how many of us he touched. He will not be forgotten. R.I.P. my friend.

Chris W7JPG

43280. Re: K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-20 23:46:32 UTC
From: wb4spb@...
Topic: 43169 Message: 43280

The mechanism may still be in place, if his family wants to operate it. I purchased the TR4 CD from Garey 6 weeks ago, making payment via PayPal, and was issued a link to his DropBox the same day. Although he seemed to be the author of the email I got, I don't know if he processed the order himself... perhaps he was able then and declined quickly, or perhaps someone did it for him.

Garey's passing is a great loss, and a reminder: carpe diem.

Randy WB4SPB

43281. Drake 2B for Sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 00:38:27 UTC
From: k3jls@...
Topic: 43281 Message: 43281

Hello folks,

My 2B is up for sale. It's just been aligned, has new Hayseed Hamfest Electrolytics, an aftermarket solid state calibrator (reversible mod), and 4 crystals - it covers 80, 40, 20, 15 meters and 10A / 10B.

It's in good condition - no dents or scratches - but with a few spots on the front panel just above the band switch.

In any case, if anyone on the group wants it they can have it for $225 plus shipping. Else, it goes up on eBay.

73's - Joe - K3JLS

43282. Re: [DrakeRadio] TR4CW

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 05:42:24 UTC
From: Richard Knoppow
Topic: 42809 Message: 43282

Your message just showed up on my machine. Problems at Yahoo.
I am not an expert at pricing but this sounds like a very
good deal to me. Seven months on the shelf is not a long time so
its likely everything works, assuming it worked when put away. Is
the remote VFO the one Drake made for this rig? The AC power
supply is the same model AC-4 as used for the B and C series
Drakes. The supply is in a metal cabinet but fits into the
speaker cabinet made to match the B and C series Drakes. Any 4
ohm speaker will do and actually the rig is not critical of
speaker impedance.
I would at this point have suggested getting Garey Barrell's
dvd for this rig but he became SK a few days ago so I am not sure
its available. However, there are handbooks on the web. The TR-4c
is a good transceiver and parts and tubes are, in general,
available for it.
I think the 2B is probably also a bargain but know less
about them than the TR-4 and TR-4c.
Do railroads still have brakemen? This was once a super
dangerous job back before Westinghouse air brakes and MCB/Janney
couplers.

On 2/18/2018 4:24 AM, brakemanbobsmith@... [DrakeRadio] wrote:
>
>
> Hello
>
> New to group, I am Bob Smith KD8ZiF.
>
> I have been offered a Drake TR4CW with power supply an remote VFO
> ?from a ham that recently moved from his home into a condo and
> can no longer use his radios due to anntena restrictions.
>
> All his equipment was in working order and in use 7 months ago
> when he made the move due to mobility issues an no longer being
> able to care for his home.
>
> He has offered me the TR4CW with power supply an remote VFO for
> $350.00
>
> My question is ? Is this a good deal?
>
> He also has Drake 2B receiver an 2BQ speaker that he is asking
> $150 for ?
>
> Thanks is advance for your response.

>
>
> Bob

>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43283. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 05:56:55 UTC
From: Stan Gammons
Topic: 19735 Message: 43283

Yep.? Are others receiving duplicate post as well??? Earlier I received
a few emails that I received the same post of yesterday.

Seems like things went downhill after Verizon acquired Yahoo.

73

Stan
KM4HQE

On 02/20/2018 07:33 PM, Joe w7rkn.7@... [DrakeRadio] wrote:
>
> It's Yahooy. It happens on occasion. If it continues into tomorrow, let me
> know.
>
> Joe - W7RKN
>
> -----Original Message-----
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Subject: Re: [DrakeRadio] L4B Issues
>
> I am getting multiple posts, about three at a time, from the list. Is it
> just me?
>
>

43284. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 06:00:04 UTC
From: Richard Knoppow
Topic: 43201 Message: 43284

I knew they were different but though maybe there was a
simple way on the C. On the B you can just push the clear dial
with a finger. Set it so the fiducial (Collins term for pointer)
is centered in its range. One really only has to do it once in a
great while.
I often post stuff from memory and then before sending it try
to look it up. I have a good but not perfect memory. I do a lot
of thinking while driving. It has been a long time since I
ski-ed. I used to love it.
Not quite cold enough for snow here in the big city but
pretty cold. Will probably snow in the mountains not far away.

On 2/20/2018 4:15 PM, VE7PS ve7ps@... [DrakeRadio] wrote:
> Richard:
>
> Indeed, you can get away this on the B-line and earlier, but not on the
> C-line twin dials mechanism.? The dials are fixed to each other, and to
> some of the gears themselves, with 2 (later 3) tiny brass rivets so they
> will not rotate without "releasing" one, or two, of the idler gears in
> the mechanism, depending on whether you have a no lever, one lever, or
> two lever model.? The levers were added in later serial numbers to
> facilitate alignment of the two dials.? It's still a bit of a "3-hands
> would be nice" job though to get it done, especially with the "no lever"
> or "one lever" versions!
>
> On the B-line, Drake gave us the little red button to slide the dial
> window to correct for "end spread", and variations, aging, temperature
> or whatever, changes in the het osc xtals from band to band.? On the
> C-line dial, we got the "push in and hold the dial skirt, then rotate
> the knob" action to make that same correction. As with the window slider
> though, travel was limited mechanically. In the C-line case, this was
> accomplished by a small roll pin inserted through a tiny hole in the
> 1/4" shaft that would catch a plastic tab on the rear of the innermost
> gear attached (glued?) to the inner brass tube.
>
> BTW, I am doing this completely from memory, as I am far from my beloved
> Drakes.? If I've messed up, let me know.? I can't go and check? a PTO on
> my bench!? :-)
>
> I did manage to work out a non-invasive method for setting the
> adjustment stop at midpoint while skiing at 7000' + feet this morning.
> Maybe it was the cold..... 0 deg F!! Brrrr!
>
> 73,
> Peter

> VE7PS

--
Richard Knoppow
1oldlens1@...
WB6KBL

43285. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 06:01:07 UTC
From: Stan Gammons
Topic: 19735 Message: 43285

Yep.? Are others receiving duplicate post as well??? Earlier I received
a few emails that I received the same post of yesterday.

Seems like things went downhill after Verizon acquired Yahoo.

73

Stan
KM4HQE

On 02/20/2018 07:33 PM, Joe w7rkn.7@... [DrakeRadio] wrote:
>
> It's Yahooy. It happens on occasion. If it continues into tomorrow, let me
> know.
>
> Joe - W7RKN
>
> -----Original Message-----
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Subject: Re: [DrakeRadio] L4B Issues
>
> I am getting multiple posts, about three at a time, from the list. Is it
> just me?
>
>

43286. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 06:03:27 UTC
From: Richard Knoppow
Topic: 43169 Message: 43286

Nor did I, Garey was not only an expert but more important a
good person. To borrow a term from Yiddish, a _mench_.

On 2/20/2018 6:36 PM, Richard AG5M ag5m@... [DrakeRadio] wrote:
> I, like so many others, never met Garey face to face, but helped me he did with his wonderful CDs and helpful advice. For sure I will miss him on the group. R.I.P. my friend.
73, Richard AG5M
>
>
> ------------------------------------
> Posted by: Richard AG5M <ag5m@...>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43287. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 06:05:27 UTC
From: Evan
Topic: 19735 Message: 43287

I too am getting multiple posts along with some posts taking 24 hours to appear, and sometimes not at all. Has just been happening for the last 3 days.

-----Original Message-----
From: Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; 'Richard Knoppow' <1oldlens1@...>
Sent: Wed, Feb 21, 2018 12:46 am
Subject: RE: [DrakeRadio] L4B Issues

It's Yahooy. It happens on occasion. If it continues into tomorrow, let me know.

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] L4B Issues

I am getting multiple posts, about three at a time, from the list. Is it just me?

43288. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 06:08:04 UTC
From: Richard Knoppow
Topic: 19735 Message: 43288

Yup, yup, yup. Mostly the last few days. Haven't gotten any duplicates in the last perhaps 24 hours or so. However, I am getting lots of late mail. Something screwed up and kept them in a long cue. I also got a couple of error messages telling me that the machine had stopped trying to deliver some messages for a couple of different reasons. That seems to have stopped also. There must have been a major crash or hacking.

On 2/20/2018 10:01 PM, Stan Gammons wrote:
> Yep.? Are others receiving duplicate post as well??? Earlier I
> received a few emails that I received the same post of yesterday.
>
> Seems like things went downhill after Verizon acquired Yahoo.
>
>
> 73
>
> Stan
> KM4HQE
>
--
Richard Knoppow
1oldlens1@...
WB6KBL

43289. Re: [DrakeRadio] Re: R-4A s-meter issue

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 06:14:52 UTC
From: MadScientist
Topic: 43188 Message: 43289

Have you tried muting and unmuting the receiver? Does that cause the same delayed S meter response?

Does rotating the RF Gain pot fully CCW (full scale S meter reading) and back to fully CW cause the same delay effect?

Also, by the history of this thread, it would seem that the signal strength you actually hear is not affected by this high S meter offset problem…

Gary

W0DVN

> On Feb 20, 2018, at 3:46 PM, hwfoglesong@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Issue appears to be bias variation. Bias starts at -1.9v at startup and declines steadily with s-meter readings until it reaches about-.66 volt, over about a 8 minute period. S-meter reads S-9 at startup and declines to S-1 over same period. So, I will for now concentrate on getting to the bottom of that bias variation. Drake spec is for -1.3v (no signal).
>
> Hank
>
>

43290. Drake Service CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 06:27:58 UTC
From: Bruce
Topic: 43290 Message: 43290

Hello,

I just picked-up a Drake R-4A (11 Tube) and a T-4X Sunday.

Is it still possible to purchase the Service CD for them?

73, Bruce WA8TNC

43291. Re: [DrakeRadio] SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 06:33:07 UTC
From: MadScientist
Topic: 43259 Message: 43291

You make a very good point John.

This tragic loss does bring that issue to light.

I know of one local ham here in Saint Paul, who would occasionally buy items from our ham store. Not wanting to tell his wife the full amount he had paid for an item, he always told her whatever new item he brought home cost $25.

Some of the items were hundreds of dollars.

When he passed, a “friend" visited the widow and “generously” offered to buy everything in the ham radio estate for “exactly what the SK had paid for each item, $25 each”. She bit.

To add insult to injury, this scumbag came to the ham store a few weeks later and bragged about his shrewd deal on this gear!

I have handled maybe 5 ham estate sales (one was a man who was a former Collins engineer and who closed out his radio estate {with my assistance} while he was dying of brain cancer) and always worked with the widows to share market values, made adjustments for condition and possible repairs, and allowed an honest margin for myself.

I am not promoting a service since doing estate sales breaks my heart, especially the one in which the fellow was still living (if you can call it that).

I am just commenting that there are thieves out there and, just because they have call letters, there is no guarantee they won’t pull a similar stunt.

I have a LOT of stuff. I am working towards liquidating some but also towards putting a value tag on everything of significance that I own so that, should something happen to me, at least my wife will know what to expect from this huge pile of stuff.

Gary

W0DVN

> On Feb 20, 2018, at 3:54 PM, wb0rxl@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Greetings.
>
>
>
> With the terrible news about the passing of K4OAH, it reminds me of a topic we don't like to discuss, but should be touched upon. What will happen to my ham gear upon my death? Years ago I knew of a ham who lived across the street from a friends house. I noticed one day the tower was gone. My friend related that he had died. When he visited with the widow she mentioned that "a nice young man came and took everything away - and didn't charge me anything!" Since this was in a lower socio-economic section of the area, I suspect she

could have really used the money from the sale of her husband's gear.
>
>
>
> In addition to our regular will, I have outlined a specific plan for my wife or other family members to use as a guide upon my death. Some of it depends upon their desire for the equipment, but it also gives contact names and numbers for those who could be asked to sell various items.
>
>
>
> So as we mourn the passing of our friend, I also put the question to each of us - What is the plan for YOUR equipment?
>
>
>
> John
>
> WB0RXL
>
>
>

43292. RE: [DrakeRadio] Drake Service CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 08:13:49 UTC
From: Joe
Topic: 43290 Message: 43292

Hi Bruce...

Unfortunately, the keeper of the CD's (and creator!) Garey Barrel, K4OAH, passed away last week, so the availability of the CD's is in limbo. We are attempting to find out who will be handling the estate so we can talk to them about the CD's. But. Not right now, it's too close to his passing to bother kin. In a few weeks, I will be putting out feelers.

Bear with the group, I believe eventually, the CD's will be available to us, in some form or another.

If you have any questions, feel free to ask. There a whole bunch of very knowledgeable hams here to help, if needed.

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Drake Service CDs

Hello,

I just picked-up a Drake R-4A (11 Tube) and a T-4X Sunday.

Is it still possible to purchase the Service CD for them?

73, Bruce WA8TNC

43293. Re: [DrakeRadio] Duplicate postings - ex L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 08:27:38 UTC
From: blumu
Topic: 19735 Message: 43293

Maybe Y'oo is just generous...
Multiple delivery happens quite often.

This from KM4HQE just came in twice:
at 05:56 and again at 06:01 local time.
Sometimes duplicates come in hours or
a day later.

I am more concerned about postings that never
get through. Not infrequently, I get a reply
to a group member's posting I did not receive.

It can be helpful if the key part (not the whole thread!)
of the posting being replied to is included.

Michael 2E0IHW
.....

On 21. 02 18 06:01, Stan Gammons s_gammons@... [DrakeRadio] wrote:
> Yep.? Are others receiving duplicate post as well??? Earlier I received
> a few emails that I received the same post of yesterday.
> Seems like things went downhill after Verizon acquired Yahoo.
> > 73
> Stan
> KM4HQE

43294. Re: [DrakeRadio] SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 09:21:23 UTC
From: Jim Lowman
Topic: 43259 Message: 43294

Both good observations! Thanks for sharing these sad stories.

My late XYL of almost 45 years passed suddenly, nearly three years ago.
While she held the Technician Class license, she knew that the radio equipment was worth several thousand dollars.

Having no immediate family in the area, I named my girlfriend as executor of my estate. With regard to the equipment in the shack, I left instructions for her to contact the officers of the local club and let them manage the sale, with a commission built in, and to give her the net proceeds. She has no interest in ham radio, as is typical with our significant others.

What's even more tragic is to have one of our fraternity pass away and, with no other hams in the family, valuable equipment ends up in the trash.

The need for doing this came to light after a recent knee-replacement surgery went south and I had to have 10 subsequent surgeries. I hit a low point, thinking I would never leave the hospital alive. Of course, anything can happen as I approach my 70th birthday.

73 de Jim-AD6CW

> On Feb 20, 2018, at 10:33 PM, MadScientist dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> You make a very good point John.
>
> This tragic loss does bring that issue to light.
>
> I know of one local ham here in Saint Paul, who would occasionally buy items from our ham store. Not wanting to tell his wife the full amount he had paid for an item, he always told her whatever new item he brought home cost $25.
>
> Some of the items were hundreds of dollars.
>
> When he passed, a “friend" visited the widow and “generously” offered to buy everything in the ham radio estate for “exactly what the SK had paid for each item, $25 each”. She bit.
>
> To add insult to injury, this scumbag came to the ham store a few weeks later and bragged about his shrewd deal on this gear!
>
> I have handled maybe 5 ham estate sales (one was a man who was a former Collins engineer and who closed out his radio estate {with my assistance} while he was dying of brain cancer) and always worked with the widows to share market values, made adjustments for

condition and possible repairs, and allowed an honest margin for myself.
>
> I am not promoting a service since doing estate sales breaks my heart, especially the one in which the fellow was still living (if you can call it that).
>
> I am just commenting that there are thieves out there and, just because they have call letters, there is no guarantee they won't pull a similar stunt.
>
> I have a LOT of stuff. I am working towards liquidating some but also towards putting a value tag on everything of significance that I own so that, should something happen to me, at least my wife will know what to expect from this huge pile of stuff.
>
> Gary
>
> W0DVN
>
>
>
>> On Feb 20, 2018, at 3:54 PM, wb0rxl@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>> Greetings.
>>
>>
>>
>> With the terrible news about the passing of K4OAH, it reminds me of a topic we don't like to discuss, but should be touched upon. What will happen to my ham gear upon my death? Years ago I knew of a ham who lived across the street from a friends house. I noticed one day the tower was gone. My friend related that he had died. When he visited with the widow she mentioned that "a nice young man came and took everything away - and didn't charge me anything!" Since this was in a lower socio-economic section of the area, I suspect she could have really used the money from the sale of her husband's gear.
>>
>>
>>
>> In addition to our regular will, I have outlined a specific plan for my wife or other family members to use as a guide upon my death. Some of it depends upon their desire for the equipment, but it also gives contact names and numbers for those who could be asked to sell various items.
>>
>>
>>
>> So as we mourn the passing of our friend, I also put the question to each of us - What is the plan for YOUR equipment?
>>
>>
>>
>> John
>>
>> WB0RXL

>>
>>
>
>
>
>

43295. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 09:26:28 UTC
From: lu5emm@...
Topic: 43169 Message: 43295

Rest in Peace old friend , thanks for ever !

Daniel

LU5EMM

43296. Duplicate posts

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 14:02:39 UTC
From: Evan
Topic: 19735 Message: 43296

Like others, I'm receiving multiple posts and they sometimes arrive in succession, sometimes days apart. I suspect part of the problem is with my ISP, AOL (Almost On Line). Seems like multiple ISPs are affected though.

73,

Evan, K9SQG

-----Original Message-----
From: Stan Gammons s_gammons@charter.net [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Joe <w7rkn.7@...>; 'Richard Knoppow' <1oldlens1@...>
Sent: Wed, Feb 21, 2018 2:58 am
Subject: Re: [DrakeRadio] L4B Issues

Yep. Are others receiving duplicate post as well? Earlier I received a few emails that I received the same post of yesterday.

Seems like things went downhill after Verizon acquired Yahoo.

73

Stan
KM4HQE

On 02/20/2018 07:33 PM, Joe w7rkn.7@... [DrakeRadio] wrote:

It's Yahooy. It happens on occasion. If it continues into tomorrow, let me know.

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] L4B Issues

I am getting multiple posts, about three at a time, from the list. Is it just me?

43297. Re: [DrakeRadio] Duplicate posts

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 14:13:45 UTC
From: Brian Smith
Topic: 19735 Message: 43297

I’ve had the same thing happen. I’m using yahoo for my email provider

Brian Smith

> On Feb 21, 2018, at 8:02 AM, Evan k9sqg@...t [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Like others, I'm receiving multiple posts and they sometimes arrive in succession, sometimes days apart. I suspect part of the problem is with my ISP, AOL (Almost On Line). Seems like multiple ISPs are affected though.
>
>
> 73,
>
> Evan, K9SQG
>
>
> -----Original Message-----
> From: Stan Gammons s_gammons@charter.net [DrakeRadio] <DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>; Joe <w7rkn.7@...>; 'Richard Knoppow' <1oldlens1@...>
> Sent: Wed, Feb 21, 2018 2:58 am
> Subject: Re: [DrakeRadio] L4B Issues
>
>
> Yep. Are others receiving duplicate post as well? Earlier I received a few emails that I received the same post of yesterday.
>
> Seems like things went downhill after Verizon acquired Yahoo.
>
>
> 73
>
> Stan
> KM4HQE
>
>
> On 02/20/2018 07:33 PM, Joe w7rkn.7@gmail.com [DrakeRadio] wrote:
>
> It's Yahooy. It happens on occasion. If it continues into tomorrow, let me
> know.
>
> Joe - W7RKN
>
> -----Original Message-----

> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Subject: Re: [DrakeRadio] L4B Issues
>
> I am getting multiple posts, about three at a time, from the list. Is it
> just me?
>
>
>
>

43298. Re: [DrakeRadio] Duplicate posts

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 14:16:19 UTC
From: Jeffrey Angus
Topic: 19735 Message: 43298

On 2/21/18 8:02 AM, Evan k9sqg@... [DrakeRadio] wrote:
> Like others, I'm receiving multiple posts and they
> sometimes arrive in succession, sometimes days apart.
> I suspect part of the problem is with my ISP, AOL (Almost
> On Line). ??Seems like multiple ISPs are affected though.
For once, it's NOT AOL.
It's a delivery problem with Yahoo.
Not only delayed messages, but multiple repeats of older
messages.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43299. Re: [DrakeRadio] SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 14:27:51 UTC
From: Evan
Topic: 43259 Message: 43299

Fellow Drake enthusiasts,

Yes, indeed, preparing for disposition of ham equipment is a worthwhile endeavor. Not only does it provide optimum benefit for the family members, it also gives the ham the opportunity to ensure that "I always wanted so and so to have this piece of equipment", or donating it to a local club or school, is honored.

Over the years, I've attempted to help almost a dozen widows or family members dispose of ham equipment to obtain reasonable pricing. This was in response to requests from the local radio clubs or word of mouth. I offered to test the equipment, document the basis for pricing, clean it up, place the ads, pack it, etc. and all for free. Without exception, I failed in all instances. Why? Well somehow, there always seemed to be a bottom feeder that came by during the process, with cash in hand, and in their grief the widow or family members took their offer. In one case, a gentleman had equipment that I estimated had a fair market value in the $15-20,000 range. His son in law sold it to a bottom feeder for $3,000. This was after he and I already had an agreement about how I was to handle the disposition of the equipment. Not only that, after selling the equipment he called me to ask what I thought of the deal and I gave him the bad news about how much money was lost for his father in law doing things this way. Since the ham was going into a nursing home, that extra $12,000 or so could have helped quite a bit. I won't use bandwidth here to describe experiences with local auction services, but I think you get the drift.

Bottom line, to help a grieving widow or surviving family members, preparing in advance is a great idea. It not only helps to maximize the return on the equipment, it also helps to ensure disposition to friends if that is the ham's desire. Actually, disposing of ham equipment should be part of an overall process of estate planning, having a will, forming a trust, etc. etc.

Let's all help when we can. Not sure how many bottom feeders there are out there that take advantage of such sad situations, but maybe we can make a dent in what they do; they go well beyond what one might consider to be a "simple business transaction", especially under the circumstances.

73,

Evan, K9SQG

-----Original Message-----
From: Jim Lowman jmlowman@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; MadScientist <dukeshifi@comcast.net>
Sent: Wed, Feb 21, 2018 5:17 am
Subject: Re: [DrakeRadio] SK Estates

Both good observations! Thanks for sharing these sad stories.

My late XYL of almost 45 years passed suddenly, nearly three years ago.
While she held the Technician Class license, she knew that the radio equipment was worth

several thousand dollars.

Having no immediate family in the area, I named my girlfriend as executor of my estate. With regard to the equipment in the shack, I left instructions for her to contact the officers of the local club and let them manage the sale, with a commission built in, and to give her the net proceeds. She has no interest in ham radio, as is typical with our significant others.

What's even more tragic is to have one of our fraternity pass away and, with no other hams in the family, valuable equipment ends up in the trash.

The need for doing this came to light after a recent knee-replacement surgery went south and I had to have 10 subsequent surgeries. I hit a low point, thinking I would never leave the hospital alive. Of course, anything can happen as I approach my 70th birthday.

73 de Jim-AD6CW

On Feb 20, 2018, at 10:33 PM, MadScientist dukeshifi@... [DrakeRadio] <DrakeRadio@...m> wrote:

You make a very good point John.

This tragic loss does bring that issue to light.

I know of one local ham here in Saint Paul, who would occasionally buy items from our ham store. Not wanting to tell his wife the full amount he had paid for an item, he always told her whatever new item he brought home cost $25.

Some of the items were hundreds of dollars.

When he passed, a “friend" visited the widow and “generously” offered to buy everything in the ham radio estate for “exactly what the SK had paid for each item, $25 each”. She bit.

To add insult to injury, this scumbag came to the ham store a few weeks later and bragged about his shrewd deal on this gear!

I have handled maybe 5 ham estate sales (one was a man who was a former Collins engineer and who closed out his radio estate {with my assistance} while he was dying of brain cancer) and always worked with the widows to share market values, made adjustments for condition and possible repairs, and allowed an honest margin for myself.

I am not promoting a service since doing estate sales breaks my heart, especially the one in which the fellow was still living (if you can call it that).

I am just commenting that there are thieves out there and, just because they have call letters, there is no guarantee they won’t pull a similar stunt.

I have a LOT of stuff. I am working towards liquidating some but also towards putting a value tag on everything of significance that I own so that, should something happen to me, at least my wife will know what to expect from this huge pile of stuff.

Gary

W0DVN

On Feb 20, 2018, at 3:54 PM, wb0rxl@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Greetings.

With the terrible news about the passing of K4OAH, it reminds me of a topic we don't like to discuss, but should be touched upon. What will happen to my ham gear upon my death? Years ago I knew of a ham who lived across the street from a friends house. I noticed one day the tower was gone. My friend related that he had died. When he visited with the widow she mentioned that "a nice young man came and took everything away - and didn't charge me anything!" Since this was in a lower socio-economic section of the area, I suspect she could have really used the money from the sale of her husband's gear.

In addition to our regular will, I have outlined a specific plan for my wife or other family members to use as a guide upon my death. Some of it depends upon their desire for the equipment, but it also gives contact names and numbers for those who could be asked to sell various items.

So as we mourn the passing of our friend, I also put the question to each of us - What is the plan for YOUR equipment?

John
WB0RXL

43300. Re: [DrakeRadio] SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 14:30:03 UTC
From: Steve Wedge
Topic: 43259 Message: 43300

I've helped sell off rigs from SK's, too, from within clubs that I've belonged to. We wouldn't ask for compensation but many times the survivors would offer.

Some friends and I also came upon estates that were from hams we never knew and made bids on the equipment. Sometimes we win, sometimes we didn't. We always offered fair prices.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Feb 21, 2018, at 01:33, MadScientist dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> You make a very good point John.
>
>
> This tragic loss does bring that issue to light.
>
> I know of one local ham here in Saint Paul, who would occasionally buy items from our ham store. Not wanting to tell his wife the full amount he had paid for an item, he always told her whatever new item he brought home cost $25.
>
> Some of the items were hundreds of dollars.
>
> When he passed, a "friend" visited the widow and "generously" offered to buy everything in the ham radio estate for "exactly what the SK had paid for each item, $25 each". She bit.
>
> To add insult to injury, this scumbag came to the ham store a few weeks later and bragged about his shrewd deal on this gear!
>
> I have handled maybe 5 ham estate sales (one was a man who was a former Collins engineer and who closed out his radio estate {with my assistance} while he was dying of brain cancer) and always worked with the widows to share market values, made adjustments for condition and possible repairs, and allowed an honest margin for myself.
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> I am not promoting a service since doing estate sales breaks my heart, especially the one in which the fellow was still living (if you can call it that).
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> I am just commenting that there are thieves out there and, just because they have call letters, there is no guarantee they won't pull a similar stunt.
>
> I have a LOT of stuff. I am working towards liquidating some but also towards putting a value tag on everything of significance that I own so that, should something happen to me, at least my wife will know what to expect from this huge pile of stuff.
>

> Gary
>
> W0DVN
>
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>
>> On Feb 20, 2018, at 3:54 PM, wb0rxl@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:
>>
>>
>> Greetings.
>>
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>>
>> With the terrible news about the passing of K4OAH, it reminds me of a topic we don't like to discuss, but should be touched upon. What will happen to my ham gear upon my death? Years ago I knew of a ham who lived across the street from a friends house. I noticed one day the tower was gone. My friend related that he had died. When he visited with the widow she mentioned that "a nice young man came and took everything away - and didn't charge me anything!" Since this was in a lower socio-economic section of the area, I suspect she could have really used the money from the sale of her husband's gear.
>>
>>
>>
>> In addition to our regular will, I have outlined a specific plan for my wife or other family members to use as a guide upon my death. Some of it depends upon their desire for the equipment, but it also gives contact names and numbers for those who could be asked to sell various items.
>>
>>
>>
>> So as we mourn the passing of our friend, I also put the question to each of us - What is the plan for YOUR equipment?
>>
>>
>>
>> John
>>
>> WB0RXL
>>
>>
>
>

43301. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 14:32:04 UTC
From: Steve Wedge
Topic: 43166 Message: 43301

That reminds me of when Garey had me send a PTO that was jumping frequency to him. He found the cause and replaced the SM capacitor. No charge.

A great guy. I've missed not seeing him show up here and was afraid that the news was not good.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Feb 20, 2018, at 19:14, ckepus@... [DrakeRadio] <DrakeRadio@...m> wrote:
>
> As many have commented, Garey was the epitome of an Elmer, a friend, and an ultimate expert on all things Drake. Despite the amount of time it took to accomplish all his helpful activity that is documented forever on the web, he was also willing to go "off-line" with you and spend as much time and effort as necessary to help solve a problem. I benefited greatly and am grateful beyond words that I had the privilege to receive Garey's help. He was a special person. His family will be proud to know how many of us he touched. He will not be forgotten. R.I.P. my friend.
>
>
> Chris W7JPG
>

43302. Re: [DrakeRadio] TR4CW

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 14:44:51 UTC
From: Steve Mercure
Topic: 42809 Message: 43302

A hard question to answer without seeing the condition of the equipment or in fact verifying it does work. Lets assume the best case scenario and this gear has been well cared for and used as designed, after all I am an optimist. Further lets assume the appearance is good, perhaps a few scratches here and there with none of them going all the way through to show bare metal, and no or little rust or pitting of the copper. In my experience the asking prices are reasonable for both the TR4CW collection and the 2B with the speaker and Q multiplier.
My rule of thumb when I sell gear is to find what the rig actually trades for on EBay not including shipping, knock off 20% and start there. Come to think of it, that is a very good price on the CW.

My opinion and a few quarters and you can buy a Coke, but this would make a fine place to start a Drake collection.

73 de W5EN Steve

_____
From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of brakemanbobsmith@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Sunday, February 18, 2018 6:24 AM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] TR4CW

Hello

New to group, I am Bob Smith KD8ZiF.

I have been offered a Drake TR4CW with power supply an remote VFO from a ham that recently moved from his home into a condo and can no longer use his radios due to anntena restrictions.

All his equipment was in working order and in use 7 months ago when he made the move due to mobility issues an no longer being able to care for his home.

He has offered me the TR4CW with power supply an remote VFO for $350.00

My question is ? Is this a good deal?

He also has Drake 2B receiver an 2BQ speaker that he is asking $150 for ?

Thanks is advance for your response.

Bob

43303. Re: K4OAH OBIT

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 15:40:03 UTC
From: VE7PS
Topic: 43303 Message: 43303

Hi Mark:

This is not "our" Garey Barrell. K4OAH lived in Rome, Georgia and was in either his late 70's or perhaps very early '80's. I have checked obits at several of the Rome-area funeral homes but have yet to see anything listed for him yet. He passed away just a couple of days ago.

Sad times!

73
Peter
VE7PS

On 2/21/2018 3:25 AM, Mark Gilger wrote:
> Did you know Garey and if so was the picture they had for the obituary
> him? I never meet him. The reason that I ask is someone said this was
> not him. Another thing I noticed was the date they gave for his
> passing was July 10th, 2017. So something is not right. I thought I
> would have a slide at the forum about his passing.
>
> http://www.woodlawncremations.com/obituaries/Craig-Vaughn-Barrell?obId=2106672#/obituary Info
>
>
> Mark, WB0IQK
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

43304. Re: K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 16:07:57 UTC
From: Bill
Topic: 43169 Message: 43304

My sincerest condolences to his family and friends.

I read many of his postings. I was always impressed with the breadth and width of his knowledge.

But even more his grace and style. A true gentleman. I wish I had the honor of meeting him. I will have the honor of remembering him every time I operate my Drake TR7.

Bill
W4WCS

43305. RE: [DrakeRadio] Duplicate posts

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 16:18:02 UTC
From: Joe
Topic: 19735 Message: 43305

Yeah…It seems to happen whenever they do a major system upgrade. It’s been several years since it last happened. I am getting it on a number of YahooGroups so it is definitely *NOT* AOL!

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Duplicate posts

On 2/21/18 8:02 AM, Evan k9sqg@... [DrakeRadio] wrote:

Like others, I'm receiving multiple posts and they
sometimes arrive in succession, sometimes days apart.
I suspect part of the problem is with my ISP, AOL (Almost
On Line). ??Seems like multiple ISPs are affected though.

For once, it's NOT AOL.
It's a delivery problem with Yahoo.
Not only delayed messages, but multiple repeats of older
messages.

43306. Re: [DrakeRadio] Re: K4OAH OBIT

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 16:21:06 UTC
From: Barry
Topic: 43303 Message: 43306

If I'm not mistaken, that obit was for Craig Barrell which, I think, was Garey's brother but I don't know that for sure.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "VE7PS ve7ps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: "Mark Gilger" <mgilger@...>, DrakeRadio@yahoogroups.com
> Sent: Wednesday, February 21, 2018 9:40:03 AM
> Subject: [DrakeRadio] Re: K4OAH OBIT
>
> Hi Mark:
>
> This is not "our" Garey Barrell. K4OAH lived in Rome, Georgia and was
> in either his late 70's or perhaps very early '80's. I have checked
> obits at several of the Rome-area funeral homes but have yet to see
> anything listed for him yet. He passed away just a couple of days ago.
>
> Sad times!
>
> 73
> Peter
> VE7PS
>
> On 2/21/2018 3:25 AM, Mark Gilger wrote:
> > Did you know Garey and if so was the picture they had for the obituary
> > him? I never meet him. The reason that I ask is someone said this was
> > not him. Another thing I noticed was the date they gave for his
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> > http://www.woodlawncremations.com/obituaries/Craig-Vaughn-Barrell?obId=2106672#/obituaryInfo
> >
> >
> > Mark, WB0IQK
> >
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> ---
> This email has been checked for viruses by AVG.
> http://www.avg.com
>

>
>
> ------------------------------------
> Posted by: VE7PS <ve7ps@...>
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> Yahoo Groups Links
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43307. RE: [DrakeRadio] SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 16:37:44 UTC
From: Joe
Topic: 43259 Message: 43307

Sometimes, SK equipment can take a different, and pleasant journey to a new home:

Several years ago, out local ham club received a request from a widow in North Shore, Lake Tahoe, to come up and 'clean out her SK's shack', as it was a portion of the garage and she wanted her garage back.

Long story even longer, no one responded. About 3 weeks later, a friend told me about the request for help, so I called her to see if anyone had offered to help.

Answer? NO. So I made arrangements to come up. I spent the better part of morning, sorting everything and assigning estimated worth to each item, which included unopened, unbuilt HeathKit kits of a complete SB-102 station, including 2 built amplifiers, an SB-200 and an SB-220., each with a complete set of spare NOS tubes. Also in the 'pile', a brand new PalStar AT2K tuner, still in an unopened box. There were 2 TS-520S's, with extra NOS boxes of tubes for each rig.

Oh yeah, also in the mix, was a very clean Drake L-4B, but was in the process of being rebuilt.

And there were 3 big boxes of electronic parts, resisters, caps, wire, solder, soldering stations (Including a real nice professional grade, hot air/vacuum pump desoldering station, yada, yada, yada. Oh yes, and quite an extensive library of old (1960's and later) QST's, ARRL Call books, etc. [Even found me, in the 1962 call book with my old {Original} Novice call! WN6RKN!]

Anywho…Got everything loaded into my truck and told her that I would offer for sale on the local net, and then take what was left to one of our swap meets, and send her a check for what we got. She looked at me kinda funny like, and told me, "Oh, I'm sorry. I don't want anything, this is all yours for coming up and helping me clean out the shack!"

I liked to have had a heart attack! I asked her if she was absolutely sure, there was a sizable chunk of change in value but she told me she didn't need any money [Which was obvious, as her house was probably in the rarified price range of 3-10 million dollars….10 acres on the Lake, big boat house, and a humongous Chris-Craft (25 to 30 foot??)

Like I said, sometimes one can get a pleasant surprise when helping widows sort through their SK's ham shack! J

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] SK Estates

Fellow Drake enthusiasts,

Yes, indeed, preparing for disposition of ham equipment is a worthwhile endeavor. Not only does it provide optimum benefit for the family members, it also gives the ham the opportunity to ensure that "I always wanted so and so to have this piece of equipment", or

donating it to a local club or school, is honored.

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Bottom line, to help a grieving widow or surviving family members, preparing in advance is a great idea. It not only helps to maximize the return on the equipment, it also helps to ensure disposition to friends if that is the ham's desire. Actually, disposing of ham equipment should be part of an overall process of estate planning, having a will, forming a trust, etc. etc.

Let's all help when we can. Not sure how many bottom feeders there are out there that take advantage of such sad situations, but maybe we can make a dent in what they do; they go well beyond what one might consider to be a "simple business transaction", especially under the circumstances.

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Evan, K9SQG

-----Original Message-----
From: Jim Lowman jmlowman@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; MadScientist <dukeshifi@...>
Sent: Wed, Feb 21, 2018 5:17 am
Subject: Re: [DrakeRadio] SK Estates

Both good observations! Thanks for sharing these sad stories.

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You make a very good point John.

This tragic loss does bring that issue to light.

I know of one local ham here in Saint Paul, who would occasionally buy items from our ham store. Not wanting to tell his wife the full amount he had paid for an item, he always told her whatever new item he brought home cost $25.

Some of the items were hundreds of dollars.

When he passed, a “friend" visited the widow and “generously” offered to buy everything in the ham radio estate for “exactly what the SK had paid for each item, $25 each”. She bit.

To add insult to injury, this scumbag came to the ham store a few weeks later and bragged about his shrewd deal on this gear!

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W0DVN

On Feb 20, 2018, at 3:54 PM, wb0rxl@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Greetings.

With the terrible news about the passing of K4OAH, it reminds me of a topic we don't like to discuss, but should be touched upon. What will happen to my ham gear upon my death? Years ago I knew of a ham who lived across the street from a friends house. I noticed one day the tower was gone. My friend related that he had died. When he visited with the widow she mentioned that "a nice young man came and took everything away - and didn't charge me anything!" Since this was in a lower socio-economic section of the area, I suspect she could have really used the money from the sale of her husband's gear.

In addition to our regular will, I have outlined a specific plan for my wife or other family members to use as a guide upon my death. Some of it depends upon their desire for the equipment, but it also gives contact names and numbers for those who could be asked to sell various items.

So as we mourn the passing of our friend, I also put the question to each of us - What is the plan for YOUR equipment?

John

WB0RXL

43308. Re: [DrakeRadio] Duplicate posts

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 16:42:36 UTC
From: Douglas Glenn
Topic: 19735 Message: 43308

A simple experiment would be having someone who is not a member of the group send a message to the group, and see if it duplicates. Doug - K3ZMG

From: "Brian Smith k9bps@yahoo.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Wednesday, February 21, 2018 8:27 AM
To: DrakeRadio@yahoogroups.com, "Evan" <k9sqg@...>
Subject: Re: [DrakeRadio] Duplicate posts

I've had the same thing happen. I'm using yahoo for my email provider
Brian Smith

On Feb 21, 2018, at 8:02 AM, Evan k9sqg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Like others, I'm receiving multiple posts and they sometimes arrive in succession, sometimes days apart. I suspect part of the problem is with my ISP, AOL (Almost On Line). Seems like multiple ISPs are affected though.
73,

Evan, K9SQG

-----Original Message-----
From: Stan Gammons s_gammons@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Joe <w7rkn.7@gmail.com>; 'Richard Knoppow' <1oldlens1@...>
Sent: Wed, Feb 21, 2018 2:58 am
Subject: Re: [DrakeRadio] L4B Issues
Yep. Are others receiving duplicate post as well? Earlier I received a few emails that I received the same post of yesterday.

Seems like things went downhill after Verizon acquired Yahoo.

73

Stan
KM4HQE

On 02/20/2018 07:33 PM, Joe w7rkn.7@... [DrakeRadio] wrote:
It's Yahooy. It happens on occasion. If it continues into tomorrow, let me know.

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] L4B Issues

I am getting multiple posts, about three at a time, from the list. Is it just me?

43309. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 16:34:42 UTC
From: w3rxo@...
Topic: 43169 Message: 43309

It has been a long while, since I chimed in, as I have sold all of my HF gear, including my beloved B-Line Twins.
I saw this in message line, of the 'digest' email, while cleaning out emails. Truly sad news. The world is a lesser place!

73, Dan
W3RXO/W5

43310. Re: [DrakeRadio] Duplicate posts

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 17:13:24 UTC
From: Evan
Topic: 19735 Message: 43310

As a side note, I've also been getting duplicate emails from people with AT&T as an ISP but they have typically been received within 10 minutes of each other.

-----Original Message-----
From: 'Douglas Glenn' dglenn@tnweb.com [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Brian Smith <k9bps@...>
Sent: Wed, Feb 21, 2018 12:07 pm
Subject: Re: [DrakeRadio] Duplicate posts

A simple experiment would be having someone who is not a member of the group send a message to the group, and see if it duplicates. Doug - K3ZMG

From: "Brian Smith k9bps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Wednesday, February 21, 2018 8:27 AM
To: DrakeRadio@yahoogroups.com, "Evan" <k9sqg@...>
Subject: Re: [DrakeRadio] Duplicate posts

I’ve had the same thing happen. I’m using yahoo for my email provider

Brian Smith

On Feb 21, 2018, at 8:02 AM, Evan k9sqg@arrl.net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Like others, I'm receiving multiple posts and they sometimes arrive in succession, sometimes days apart. I suspect part of the problem is with my ISP, AOL (Almost On Line). Seems like multiple ISPs are affected though.

73,

Evan, K9SQG

-----Original Message-----
From: Stan Gammons s_gammons@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Joe <w7rkn.7@...>; 'Richard Knoppow' <1oldlens1@...>
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Seems like things went downhill after Verizon acquired Yahoo.

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Stan
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On 02/20/2018 07:33 PM, Joe w7rkn.7@... [DrakeRadio] wrote:

It's Yahooy. It happens on occasion. If it continues into tomorrow, let me know.

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] L4B Issues

I am getting multiple posts, about three at a time, from the list. Is it just me?

43311. Re: [DrakeRadio] Re: K4OAH OBIT

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 17:26:26 UTC
From: Hal Dale
Topic: 43303 Message: 43311

I live in a small community just outside Rome. I believe Garey was from the Atlanta area originally. I met him in the 80's while playing around with the old AM gear. Part of his family lives in Rome and he moved here to be near them. I've checked the local obits too with no results...

I will continue to investigate and bring what I find here. 73/Hal/WB4AEG

43312. Re: [DrakeRadio] Re: K4OAH OBIT

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 19:06:48 UTC
From: Barry
Topic: 43303 Message: 43312

I think he lived in N or S Carolina previous to that but do recall he moved to Rome, GA, a little over a year ago (or so).

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Hal Dale wb4aeg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
> Sent: Wednesday, February 21, 2018 11:26:26 AM
> Subject: Re: [DrakeRadio] Re: K4OAH OBIT
>
> I live in a small community just outside Rome. I believe Garey was from the
> Atlanta area originally. I met him in the 80's while playing around with the
> old AM gear. Part of his family lives in Rome and he moved here to be near
> them. I've checked the local obits too with no results...
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> I will continue to investigate and bring what I find here. 73/Hal/WB4AEG
>
>
>
>

43313. Re: [DrakeRadio] SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 19:57:29 UTC
From: RAY FRIESS
Topic: 43259 Message: 43313

I've obtained two towers and three triband beams and rotors over the years from widows who said. "Come take em down and they're yours."

Sent from my Verizon LG Smartphone

------ Original message------
From: Joe w7rkn.7@gmail.com [DrakeRadio]
Date: Wed, Feb 21, 2018 9:41 AM
To: DrakeRadio@yahoogroups.com;'Evan';
Cc:
Subject:RE: [DrakeRadio] SK Estates

Sometimes, SK equipment can take a different, and pleasant journey to a new home:

Several years ago, out local ham club received a request from a widow in North Shore, Lake Tahoe, to come up and 'clean out her SK's shack', as it was a portion of the garage and she wanted her garage back.

Long story even longer, no one responded. About 3 weeks later, a friend told me about the request for help, so I called her to see if anyone had offered to help.

Answer? NO. So I made arrangements to come up. I spent the better part of morning, sorting everything and assigning estimated worth to each item, which included unopened, unbuilt HeathKit kits of a complete SB-102 station, including 2 built amplifiers, an SB-200 and an SB-220., each with a complete set of spare NOS tubes. Also in the 'pile', a brand new PalStar AT2K tuner, still in an unopened box. There were 2 TS-520S's, with extra NOS boxes of tubes for each rig.

Oh yeah, also in the mix, was a very clean Drake L-4B, but was in the process of being rebuilt.

And there were 3 big boxes of electronic parts, resisters, caps, wire, solder, soldering stations (Including a real nice professional grade, hot air/vacuum pump desoldering station, yada, yada, yada. Oh yes, and quite an extensive library of old (1960's and later) QST's, ARRL Call books, etc. [Even found me, in the 1962 call book with my old {Original} Novice call! WN6RKN!]

Anywho…Got everything loaded into my truck and told her that I would offer for sale on the local net, and then take what was left to one of our swap meets, and send her a check for what we got. She looked at me kinda funny like, and told me, "Oh, I'm sorry. I don't want anything, this is all yours for coming up and helping me clean out the shack!"

I liked to have had a heart attack! I asked her if she was absolutely sure, there was a sizable chunk of change in value but she told me she didn't need any money [Which was obvious, as her house was probably in the rarified price range of 3-10 million dollars….10 acres on the Lake, big boat house, and a humongous Chris-Craft (25 to 30 foot??)

Like I said, sometimes one can get a pleasant surprise when helping widows sort through their SK's ham shack! :)

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] SK Estates

Fellow Drake enthusiasts,

Yes, indeed, preparing for disposition of ham equipment is a worthwhile endeavor. Not only does it provide optimum benefit for the family members, it also gives the ham the opportunity to ensure that "I always wanted so and so to have this piece of equipment", or donating it to a local club or school, is honored.

Over the years, I've attempted to help almost a dozen widows or family members dispose of ham equipment to obtain reasonable pricing. This was in response to requests from the local radio clubs or word of mouth. I offered to test the equipment, document the basis for pricing, clean it up, place the ads, pack it, etc. and all for free. Without exception, I failed in all instances. Why? Well somehow, there always seemed to be a bottom feeder that came by during the process, with cash in hand, and in their grief the widow or family members took their offer. In one case, a gentleman had equipment that I estimated had a fair market value in the $15-20,000 range. His son in law sold it to a bottom feeder for $3,000. This was after he and I already had an agreement about how I was to handle the disposition of the equipment. Not only that, after selling the equipment he called me to ask what I thought of the deal and I gave him the bad news about how much money was lost for his father in law doing things this way. Since the ham was going into a nursing home, that extra $12,000 or so could have helped quite a bit. I won't use bandwidth here to describe experiences with local auction services, but I think you get the drift.

Bottom line, to help a grieving widow or surviving family members, preparing in advance is a great idea. It not only helps to maximize the return on the equipment, it also helps to ensure disposition to friends if that is the ham's desire. Actually, disposing of ham equipment should be part of an overall process of estate planning, having a will, forming a trust, etc. etc.

Let's all help when we can. Not sure how many bottom feeders there are out there that take advantage of such sad situations, but maybe we can make a dent in what they do; they go well beyond what one might consider to be a "simple business transaction", especially under the circumstances..

73,

Evan, K9SQG

-----Original Message-----
From: Jim Lowman jmlowman@...<mailto:jmlowman@...> [DrakeRadio]
<DrakeRadio@yahoogroups.com<mailto:DrakeRadio@yahoogroups.com>>
To: DrakeRadio <DrakeRadio@yahoogroups.com<mailto:DrakeRadio@yahoogroups.com>>;
MadScientist <dukeshifi@...<mailto:dukeshifi@...>>
Sent: Wed, Feb 21, 2018 5:17 am
Subject: Re: [DrakeRadio] SK Estates

Both good observations! Thanks for sharing these sad stories.

My late XYL of almost 45 years passed suddenly, nearly three years ago..
While she held the Technician Class license, she knew that the radio equipment was worth several thousand dollars.

Having no immediate family in the area, I named my girlfriend as executor of my estate. With regard to the equipment in the shack, I left instructions for her to contact the officers of the local club and let them manage the sale, with a commission built in, and to give her the net proceeds. She has no interest in ham radio, as is typical with our significant others.

What's even more tragic is to have one of our fraternity pass away and, with no other hams in the family, valuable equipment ends up in the trash..

The need for doing this came to light after a recent knee-replacement surgery went south and I had to have 10 subsequent surgeries. I hit a low point, thinking I would never leave the hospital alive. Of course, anything can happen as I approach my 70th birthday.

73 de Jim-AD6CW

On Feb 20, 2018, at 10:33 PM, MadScientist dukeshifi@...<mailto:dukeshifi@...> [DrakeRadio] <DrakeRadio@yahoogroups.com<mailto:DrakeRadio@yahoogroups.com>> wrote:
You make a very good point John.

This tragic loss does bring that issue to light.

I know of one local ham here in Saint Paul, who would occasionally buy items from our ham store. Not wanting to tell his wife the full amount he had paid for an item, he always told her whatever new item he brought home cost $25.

Some of the items were hundreds of dollars.

When he passed, a “friend" visited the widow and “generously” offered to buy everything in the ham radio estate for “exactly what the SK had paid for each item, $25 each”. She bit.

To add insult to injury, this scumbag came to the ham store a few weeks later and bragged about his shrewd deal on this gear!

I have handled maybe 5 ham estate sales (one was a man who was a former Collins engineer and who closed out his radio estate {with my assistance} while he was dying of brain cancer) and always worked with the widows to share market values, made adjustments for condition and possible repairs, and allowed an honest margin for myself.

I am not promoting a service since doing estate sales breaks my heart, especially the one in which the fellow was still living (if you can call it that).

I am just commenting that there are thieves out there and, just because they have call letters, there is no guarantee they won’t pull a similar stunt.

I have a LOT of stuff. I am working towards liquidating some but also towards putting a value tag on everything of significance that I own so that, should something happen to me, at least my wife will know what to expect from this huge pile of stuff.

Gary

W0DVN

On Feb 20, 2018, at 3:54 PM, wb0rxl@...<mailto:wb0rxl@...> [DrakeRadio] <DrakeRadio@yahoogroups.com<mailto:DrakeRadio@yahoogroups.com>> wrote:

Greetings.

With the terrible news about the passing of K4OAH, it reminds me of a topic we don't like to discuss, but should be touched upon. What will happen to my ham gear upon my death? Years ago I knew of a ham who lived across the street from a friends house. I noticed one day the tower was gone. My friend related that he had died. When he visited with the widow she mentioned that "a nice young man came and took everything away - and didn't charge me anything!" Since this was in a lower socio-economic section of the area, I suspect she could have really used the money from the sale of her husband's gear.

In addition to our regular will, I have outlined a specific plan for my wife or other family members to use as a guide upon my death. Some of it depends upon their desire for the equipment, but it also gives contact names and numbers for those who could be asked to sell various items.

So as we mourn the passing of our friend, I also put the question to each of us - What is the plan for YOUR equipment?

John
WB0RXL

43314. Re: [DrakeRadio] Drake Service CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 20:19:08 UTC
From: Lee Underkofler
Topic: 43290 Message: 43314
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Bruce,

Here is some information on the R4A that I received in a download from Garey (K4OAH).

See r4.pdf below. I also have some color photos that I could copy and send you if you would like them.

Lee W7MW
Blanchard, ID 83804

On Tue, Feb 20, 2018 at 10:27 PM, Bruce bsugarberg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Hello,
>
> I just picked-up a Drake R-4A (11 Tube) and a T-4X Sunday.
>
> Is it still possible to purchase the Service CD for them?
>
> 73, Bruce WA8TNC
>
>

43315. Re: SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 20:31:27 UTC
From: WX4US
Topic: 43259 Message: 43315

Some years ago I was having some severe health issue and a good friend, Kenny AJ4XL , made a deal with me. He said whoever passes first, the other will take care of the survivors radio equipment for the widow. I was not in the best of shape and I thought I was getting the better of the deal. In time I got much better and Kenny got cancer. He beat it twice! But in the end his heart gave out. I kept my end of the deal and acted as an advisor to help Kenny's son get the best price possible. After selling the majority of the big pieces and nearly all of the accessories the XYL just wanted things cleaned out. By that time the son understood more about pricing and how expensive the smallest of things could cost. We went over things and I gave her a fair price for the remainder. In all, I put more than $17k in her hand and there were other deals for several more thousand. I think this is really the was to go simply because the XYL's do not always understand and my not care about ham radio. Now I'm looking for another ham to make a deal with. I have everything in my station listed in a spreadsheet. It shows make, model, serial number, description, cost, and date. So they will have a head start.

73, Fred - WX4US

Pensacola

This email has been checked for viruses by AVG.
http://www.avg.com

43316. Garey's Obit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 20:48:50 UTC
From: VE7PS
Topic: 43316 Message: 43316

http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/article_66552a14-1746-11e8-ada8-b3551513f665.html

Just showed up a few minutes ago.

73 all.

Peter VE7PS

This email has been checked for viruses by AVG.
http://www.avg.com

43317. Re: [DrakeRadio] L4B Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 20:49:01 UTC
From: GALE STEWARD
Topic: 19735 Message: 43317

I have my IC-7300 connected to my L4B. I built the relay interface shown in the IC-7300 full manual at bottom of page 18-2. A 12VDC relay and a diode are all that needed. It's connected to the ACC socket of the IC-7300.

I move several different amplifiers thru the operating position and wanted something that would handle any voltage/current combination. This worked fine all throughout the ARRL CW DX conterst last weekend

73, Stew K3ND

From: "Evan k9sqg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com
Sent: Wednesday, February 21, 2018 3:27 AM
Subject: Re: [DrakeRadio] L4B Issues

<!--#yiv3134243635 #yiv3134243635 .yiv3134243635ygrp-photo-title{clear:both;font-size:smaller;min-height:15px;overflow:hidden;text-align:center;width:75px;}#yiv3134243635 div.yiv3134243635ygrp-photo{background-position:center;background-repeat:no-repeat;background-color:white;border:1px solid black;min-height:62px;width:62px;}#yiv3134243635 div.yiv3134243635photo-title a, #yiv3134243635 div.yiv3134243635photo-title a:active, #yiv3134243635 div.yiv3134243635photo-title a:hover, #yiv3134243635 div.yiv3134243635photo-title a:visited {text-decoration:none;}#yiv3134243635 div.yiv3134243635attach-table div.yiv3134243635attach-row {clear:both;}#yiv3134243635 div.yiv3134243635attach-table div.yiv3134243635attach-row div {float:left;}#yiv3134243635 p {clear:both;padding:15px 0 3px 0;overflow:hidden;}#yiv3134243635 div.yiv3134243635ygrp-file {width:30px;}#yiv3134243635 div.yiv3134243635attach-table div.yiv3134243635attach-row div div a {text-decoration:none;}#yiv3134243635 div.yiv3134243635attach-table div.yiv3134243635attach-row div div span {font-weight:normal;}#yiv3134243635 div.yiv3134243635ygrp-file-title {font-weight:bold;}#yiv3134243635 --> <!--#yiv3134243635 #yiv3134243635ygrp-mkp {border:1px solid #d8d8d8;font-family:Arial;margin:10px 0;padding:0 10px;}#yiv3134243635 #yiv3134243635ygrp-mkp hr {border:1px solid #d8d8d8;}#yiv3134243635 #yiv3134243635ygrp-mkp #yiv3134243635hd {color:#628c2a;font-size:85%;font-weight:700;line-height:122%;margin:10px 0;}#yiv3134243635 #yiv3134243635ygrp-mkp #yiv3134243635ads {margin-bottom:10px;}#yiv3134243635 #yiv3134243635ygrp-mkp .yiv3134243635ad {padding:0 0;}#yiv3134243635 #yiv3134243635ygrp-mkp .yiv3134243635ad p {margin:0;}#yiv3134243635 #yiv3134243635ygrp-mkp .yiv3134243635ad a {color:#0000ff;text-decoration:none;}-->

I would be apprehensive about using the IC-7300, or any modern rig, without an interface on the PTT line. The relay in the L4B, L4, and L7 linears has a current draw and/or inductive spikes that are beyond the ratings of many newer rigs' capabilities in terms of their reed relays or MOSFETs.
73,
Evan, K9SQG

43318. Re: [DrakeRadio] SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 21:27:54 UTC
From: Steve Wedge
Topic: 43259 Message: 43318

So Joe, did you ever build the Heathkits?

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Wed, Feb 21, 2018 at 11:37 AM, Joe w7rkn.7@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Sometimes, SK equipment can take a different, and pleasant journey to a
> new home:
>
>
>
> Several years ago, out local ham club received a request from a widow in
> North Shore, Lake Tahoe, to come up and ‘clean out her SK’s shack’, as it
> was a portion of the garage and she wanted her garage back.
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> Long story even longer, no one responded. About 3 weeks later, a friend
> told me about the request for help, so I called her to see if anyone had
> offered to help.
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> Answer? NO. So I made arrangements to come up. I spent the better part
> of morning, sorting everything and assigning estimated worth to each item,
> which included unopened, unbuilt HeathKit kits of a complete SB-102
> station, including 2 built amplifiers, an SB-200 and an SB-220., each with
> a complete set of spare NOS tubes. Also in the ‘pile’, a brand new PalStar
> AT2K tuner, still in an unopened box. There were 2 TS-520S’s, with extra
> NOS boxes of tubes for each rig.
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> Oh yeah, also in the mix, was a very clean Drake L-4B, but was in the
> process of being rebuilt.
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> And there were 3 big boxes of electronic parts, resisters, caps, wire,
> solder, soldering stations (Including a real nice professional grade, hot
> air/vacuum pump desoldering station, yada, yada, yada. Oh yes, and quite

> an extensive library of old (1960's and later) QST's, ARRL Call books,
> etc. [Even found me, in the 1962 call book with my old {Original} Novice
> call! WN6RKN!]
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> Anywho…Got everything loaded into my truck and told her that I would offer
> for sale on the local net, and then take what was left to one of our swap
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> like, and told me, "Oh, I'm sorry. I don't want anything, this is all
> yours for coming up and helping me clean out the shack!"
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> I liked to have had a heart attack! I asked her if she was absolutely
> sure, there was a sizable chunk of change in value but she told me she
> didn't need any money [Which was obvious, as her house was probably in the
> rarified price range of 3-10 million dollars….10 acres on the Lake, big
> boat house, and a humongous Chris-Craft (25 to 30 foot??)
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> Like I said, sometimes one can get a pleasant surprise when helping widows
> sort through their SK's ham shack! J
>
>
>
> Joe – W7RKN
>
>
>
>
>
> *From:* DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> *Subject:* Re: [DrakeRadio] SK Estates
>
>
>
>
>
> Fellow Drake enthusiasts,
>
>
>
> Yes, indeed, preparing for disposition of ham equipment is a worthwhile
> endeavor. Not only does it provide optimum benefit for the family members,
> it also gives the ham the opportunity to ensure that "I always wanted so
> and so to have this piece of equipment", or donating it to a local club or
> school, is honored.
>

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> Over the years, I've attempted to help almost a dozen widows or family
> members dispose of ham equipment to obtain reasonable pricing. This was in
> response to requests from the local radio clubs or word of mouth. I
> offered to test the equipment, document the basis for pricing, clean it up,
> place the ads, pack it, etc. and all for free. Without exception, I failed
> in all instances. Why? Well somehow, there always seemed to be a bottom
> feeder that came by during the process, with cash in hand, and in their
> grief the widow or family members took their offer. In one case, a
> gentleman had equipment that I estimated had a fair market value in the
> $15-20,000 range. His son in law sold it to a bottom feeder for $3,000.
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> equipment he called me to ask what I thought of the deal and I gave him the
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> this way. Since the ham was going into a nursing home, that extra $12,000
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> drift.
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> Bottom line, to help a grieving widow or surviving family members,
> preparing in advance is a great idea. It not only helps to maximize the
> return on the equipment, it also helps to ensure disposition to friends if
> that is the ham's desire. Actually, disposing of ham equipment should be
> part of an overall process of estate planning, having a will, forming a
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>
>
>
> 73,
>
>
>
> Evan, K9SQG
>
> -----Original Message-----
> From: Jim Lowman jmlowman@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>; MadScientist <
> dukeshifi@...>

> Sent: Wed, Feb 21, 2018 5:17 am
> Subject: Re: [DrakeRadio] SK Estates
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> Both good observations! Thanks for sharing these sad stories.
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> My late XYL of almost 45 years passed suddenly, nearly three years ago..
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> The need for doing this came to light after a recent knee-replacement
> surgery went south and I had to have 10 subsequent surgeries. I hit a low
> point, thinking I would never leave the hospital alive. Of course,
> anything can happen as I approach my 70th birthday.
>
>
>
> 73 de Jim-AD6CW
>
>
> On Feb 20, 2018, at 10:33 PM, MadScientist dukeshifi@...
> [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> You make a very good point John.
>
>
>
> This tragic loss does bring that issue to light.
>

>
>
> I know of one local ham here in Saint Paul, who would occasionally buy
> items from our ham store. Not wanting to tell his wife the full amount he
> had paid for an item, he always told her whatever new item he brought home
> cost $25.
>
>
>
> Some of the items were hundreds of dollars.
>
>
>
> When he passed, a “friend" visited the widow and “generously” offered to
> buy everything in the ham radio estate for “exactly what the SK had paid
> for each item, $25 each”. She bit.
>
>
>
> To add insult to injury, this scumbag came to the ham store a few weeks
> later and bragged about his shrewd deal on this gear!
>
>
>
> I have handled maybe 5 ham estate sales (one was a man who was a former
> Collins engineer and who closed out his radio estate {with my assistance}
> while he was dying of brain cancer) and always worked with the widows to
> share market values, made adjustments for condition and possible repairs,
> and allowed an honest margin for myself.
>
>
>
> I am not promoting a service since doing estate sales breaks my heart,
> especially the one in which the fellow was still living (if you can call it
> that).
>
>
>
> I am just commenting that there are thieves out there and, just because
> they have call letters, there is no guarantee they won’t pull a similar
> stunt.
>
>
>
> I have a LOT of stuff. I am working towards liquidating some but also
> towards putting a value tag on everything of significance that I own so
> that, should something happen to me, at least my wife will know what to
> expect from this huge pile of stuff.
>
>

> Gary
>
>
>
> W0DVN
>
>
>
>
>
>
>
> On Feb 20, 2018, at 3:54 PM, wb0rxl@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com> wrote:
>
>
>
>
>
>
> Greetings.
>
>
>
> With the terrible news about the passing of K4OAH, it reminds me of a
> topic we don't like to discuss, but should be touched upon. What will
> happen to my ham gear upon my death? Years ago I knew of a ham who lived
> across the street from a friends house. I noticed one day the tower was
> gone. My friend related that he had died. When he visited with the widow
> she mentioned that "a nice young man came and took everything away - and
> didn't charge me anything!" Since this was in a lower socio-economic
> section of the area, I suspect she could have really used the money from
> the sale of her husband's gear.
>
>
>
> In addition to our regular will, I have outlined a specific plan for my
> wife or other family members to use as a guide upon my death. Some of it
> depends upon their desire for the equipment, but it also gives contact
> names and numbers for those who could be asked to sell various items.
>
>
>
> So as we mourn the passing of our friend, I also put the question to each
> of us - What is the plan for YOUR equipment?
>
>
>
> John
>

> WB0RXL
>
>
>
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>

43319. Re: [DrakeRadio] Gary K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 21:31:05 UTC
From: armando martins
Topic: 43187 Message: 43319

And say all of us
Again R>I>P Garrey
A Martins M0PAM

On Tue, 20/2/18, Damien Mannix damienmannix@hotmail.com [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:

Subject: Re: [DrakeRadio] Gary K4OAH
To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>, "keith evans" <g3vkw@...>
Date: Tuesday, 20 February, 2018, 9:53

Keith is quite
right. Much sadness on this side of the Atlantic.

Gary always showed
great patience with those, like me, who did not have the
merest fraction of his Drake knowledge.

73, you will not be
forgotten.

Damien G3XER

From:
DrakeRadio@yahoogroups.com
<DrakeRadio@yahoogroups.com> on behalf of 'keith
evans' g3vkw@... [DrakeRadio]
<DrakeRadio@yahoogroups.com>

Sent: 19 February 2018 23:48

To: DrakeRadio@yahoogroups.com

Subject: [DrakeRadio] Gary K4OAH

What sad news, he was
taken far too early, RIP Gary.
I am sure all the Drake
owners over here feel the same.
73 my friend
Keith G3VKW

43320. Re: [DrakeRadio] Duplicate posts

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 21:38:19 UTC
From: Jeffrey Angus
Topic: 19735 Message: 43320

On 2/21/18 8:16 AM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
>
> For once, it's NOT AOL.
> It's a delivery problem with Yahoo.
> Not only delayed messages, but multiple repeats of older
> messages.
For example, I posted this are 8:16 AM.
It just now showed up at 3:32 PM.
A delay of over 5 hours.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43321. Re: [DrakeRadio] TR4CW

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 21:39:02 UTC
From: Steve Wedge
Topic: 42809 Message: 43321

Just as reference, I recently HAD to purchase an excellent TR-4CW, RV-4C and AC-4, with #75 mic and a digital frequency display (which works quite nicely), for $450. Oh - and everything had been gone through by either Ron or Jeff (and the TR-4CW has a new Hayseed cap, the AC-4 has a Harbach rebuild and the display - well, that's new!). I told the seller that the price was a steal but he didn't care. That's the TR-4CW I've been checking into the Drake Net with. BTW, I added a half-wave 6VDC supply with phone jack and put a 4" muffin fan on top of the finals. It also keeps the heat away from the area around the 6AQ5.

$350 if the one you're looking at is in even decent condition is also a very good price. And the C-Line doesn't have copper chassis to worry about (the 2B does, though).

73,

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Wed, Feb 21, 2018 at 9:44 AM, Steve Mercure w5en@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> A hard question to answer without seeing the condition of the equipment or
> in fact verifying it does work. Lets assume the best case scenario and
> this gear has been well cared for and used as designed, after all I am an
> optimist. Further lets assume the appearance is good, perhaps a few
> scratches here and there with none of them going all the way through to
> show bare metal, and no or little rust or pitting of the copper. In my
> experience the asking prices are reasonable for both the TR4CW collection
> and the 2B with the speaker and Q multiplier.
> My rule of thumb when I sell gear is to find what the rig actually trades
> for on EBay not including shipping, knock off 20% and start there. Come to
> think of it, that is a very good price on the CW.
>
>
> My opinion and a few quarters and you can buy a Coke, but this would make
> a fine place to start a Drake collection.
>
>
> 73 de W5EN Steve
>
>
> ------------------------------

> *From:* DrakeRadio@yahoogroups.com <DrakeRadio@...m> on behalf
> of brakemanbobsmith@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
> *Sent:* Sunday, February 18, 2018 6:24 AM
> *To:* DrakeRadio@yahoogroups.com
> *Subject:* [DrakeRadio] TR4CW
>
>
>
> Hello
>
> New to group, I am Bob Smith KD8ZiF.
>
> I have been offered a Drake TR4CW with power supply an remote VFO from a
> ham that recently moved from his home into a condo and can no longer use
> his radios due to anntena restrictions.
>
> All his equipment was in working order and in use 7 months ago when he
> made the move due to mobility issues an no longer being able to care for
> his home.
>
> He has offered me the TR4CW with power supply an remote VFO for $350.00
>
> My question is ? Is this a good deal?
>
> He also has Drake 2B receiver an 2BQ speaker that he is asking $150 for ?
>
> Thanks is advance for your response.
>
>
> Bob
>
>
>

43322. Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 22:05:21 UTC
From: Paul Morgan
Topic: 42927 Message: 43322

Garey Klee Barrell

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| | |

|

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|
| |
Garey Klee Barrell
Mr. Garey Klee Barrell, age 75, of Rome, passed away on Sunday, February 18, 2018, in a local hospital. | |

|

|

73's and God's Blessings to Garey.
Paul Morgan - WA4HGT

| Reply via web post | • | Reply to sender | • | Reply to group | • | Start a New Topic | • | Messages in this topic (14) |

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• Privacy • Unsubscribe • Terms of Use
.

43323. Fw: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 22:21:15 UTC
From: Paul Morgan
Topic: 42927 Message: 43323

Not sure this was sent. Paul WA4HGT

----- Forwarded Message -----
From: "Paul Morgan pwmorganjr48@... [DrakeRadio]" >
To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>
Sent: Wednesday, February 21, 2018 5:05 PM
Subject: [DrakeRadio] Garey's Obituary

  Garey Klee Barrell

|
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| |
Garey Klee Barrell
Mr. Garey Klee Barrell, age 75, of Rome, passed away on Sunday, February 18, 2018, in a local hospital. | |

|

|

73's and God's Blessings to Garey.
Paul Morgan - WA4HGT

| Reply via web post | • | Reply to sender | • | Reply to group | • | Start a New Topic | • | Messages in this topic (14) |

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• Privacy • Unsubscribe • Terms of Use
.

43324. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 22:22:32 UTC
From: Richard Knoppow
Topic: 42927 Message: 43324

Thank you for posting this. I am glad somehow he had a large
family, I am sure they thought as much of him as we do most of
whom knew him only peripherally. An accomplished and very decent
person.

On 2/21/2018 2:05 PM, Paul Morgan pwmorganjr48@...
[DrakeRadio] wrote:
>
>
> Garey Klee Barrell
> <http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/article_66552a14-1746-11e8-ada8-b3551513f665.html>
>
>
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>
> Garey Klee Barrell
>
> Mr. Garey Klee Barrell, age 75, of Rome, passed away on Sunday,
> February 18, 2018, in a local hospital.
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> <http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/article_66552a14-1746-11e8-ada8-b3551513f665.html>
>
>
> 73's and God's Blessings to Garey.
>
> Paul Morgan - WA4HGT
>
>
> --
>
> --
> Reply via web post
> <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/messages/43072;_ylc=X3oDMTJycTVnOGxmBF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRzZWMDZnRyBHNsawNycGx5BHN0aW1lAzE1MTg1NDYwOTY-?act=reply&messageNum=43072&soc_src=mail&soc_trk=ma>
> ? Reply to sender
> <mailto:dukeshifi@...?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20substitutions>
> ? Reply to group
> <mailto:DrakeRadio@yahoogroups.com?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20sub

stitutions>
> ? Start a New Topic
> <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/newtopic;_ylc=X3oDMTJmZnRlZzY2BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzE1MTg1NDYwOTY-?soc_src=mail&soc_trk=ma>
> ? Messages in this topic
> <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/topics/42927;_ylc=X3oDMTM3Z2pjaTR0BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzE1MTg1NDYwOTYEdHBjSWQDNDI5Mjc-?soc_src=mail&soc_trk=ma>
> (14)
>
> ---
> Have you tried the highest rated email app? <https://yho.com/1wwmgg>
> With 4.5 stars in iTunes, the Yahoo Mail app is the highest rated
> email app on the market. What are you waiting for? Now you can
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> ---
> Visit Your Group
> <https://groups.yahoo.com/neo/groups/DrakeRadio/info;_ylc=X3oDMTJmZzZ0bzQ0BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE1MTg1NDYwOTY-?soc_src=mail&soc_trk=ma>
>
>
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlNWplN2VxBF9TAzk3NDc2NTkwBGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTUxODU0NjA5Ng--?soc_src=mail&soc_trk=ma>
>
> ? Privacy
> <https://info.yahoo.com/privacy/us/yahoo/groups/details.html?soc_src=mail&soc_trk=ma>
> ? Unsubscribe
> <mailto:DrakeRadio-unsubscribe@yahoogroups.com?subject=Unsubscribe>
> ? Terms of Use
> <https://info.yahoo.com/legal/us/yahoo/utos/terms/?soc_src=mail&soc_trk=ma>
>
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--
Richard Knoppow
1oldlens1@...
WB6KBL

43325. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 22:27:10 UTC
From: Bill Leal
Topic: 42927 Message: 43325

Perhaps a few words about Garey, his background and his impact on the Drake collectors can be said at the Drake forum at Xenia this year???
With Drake no longer in the ham radio business, people like Garey and a small cadre of others deserve major kudos for their work, knowledge, expertise and devotion to all things Drake. I have attended many of the forums at Hara over the years and it is very impressive the dedication of many to keeping those Drakes going.
I believe that the Collins side of life has a crew of dedicated users but what about others such as National, Hallicrafters, Hammarlund, etc...?
Kudos to the n'th degree to all of you who are keeping Drake ham radio equipment on the air!!!
Bill VE3ES

43326. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-21 23:17:31 UTC
From: Paul Morgan
Topic: 42927 Message: 43326

Richard, please check to make sure the obit went to everyone. I didn't see the rest of the group on the copy I received.
Thank You

From: "Richard Knoppow 1oldlens1@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com; Paul Morgan <pwmorganjr48@...>
Sent: Wednesday, February 21, 2018 5:22 PM
Subject: Re: [DrakeRadio] Garey's Obituary

    Thank you for posting this. I am glad somehow he had a large
family, I am sure they thought as much of him as we do most of
whom knew him only peripherally. An accomplished and very decent
person.

On 2/21/2018 2:05 PM, Paul Morgan pwmorganjr48@...
[DrakeRadio] wrote:
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> Garey Klee Barrell
> <http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/article_66552a14-1746-11e8-ada8-b3551513f665.html>
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>
>   Garey Klee Barrell
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> Mr. Garey Klee Barrell, age 75, of Rome, passed away on Sunday,
> February 18, 2018, in a local hospital.
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>
>
> 73's and God's Blessings to Garey.
>
> Paul Morgan - WA4HGT
>
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> --
>
> --
> Reply via web post

> <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/messages/43072;_ylc=X3oDMT
JycTVnOGxmBF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRz
ZWMDZnRyBHNsawNycGx5BHN0aW1lAzE1MTg1NDYwOTY-?act=reply&messageNum=43072&soc_src=mail&soc_t
rk=ma>
> • Reply to sender
> <mailto:dukeshifi@...?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20substitutions>
> • Reply to group
> <mailto:DrakeRadio@yahoogroups.com?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20sub
stitutions>
> • Start a New Topic
> <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/newtopic;_ylc=X3oDMTJmZnRl
ZzY2BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBH
N0aW1lAzE1MTg1NDYwOTY-?soc_src=mail&soc_trk=ma>
> • Messages in this topic
> <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/topics/42927;_ylc=X3oDMTM3
Z2pjaTR0BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRzZW
MDZnRyBHNsawN2dHBjBHN0aW1lAzE1MTg1NDYwOTYEdHBjSWQDNDI5Mjc-?soc_src=mail&soc_trk=ma>
> (14)
>
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> Have you tried the highest rated email app? <https://yho.com/1wwmgg>
> With 4.5 stars in iTunes, the Yahoo Mail app is the highest rated
> email app on the market. What are you waiting for? Now you can
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> ---
> Visit Your Group
> <https://groups.yahoo.com/neo/groups/DrakeRadio/info;_ylc=X3oDMTJmZzZ0bzQ0BF9TAzk3MzU5Nz
E0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE1MTg1NDYw
OTY-?soc_src=mail&soc_trk=ma>
>
>
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlNWplN2VxBF9TAzk3NDc2NTkwBGdycElkAzE3OTg5NzkwB
GdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTUxODU0NjA5Ng--?soc_src=mail&soc_t
rk=ma>
>
> • Privacy
> <https://info.yahoo.com/privacy/us/yahoo/groups/details.html?soc_src=mail&soc_trk=ma>
> • Unsubscribe
> <mailto:DrakeRadio-unsubscribe@yahoogroups.com?subject=Unsubscribe>
> • Terms of Use
> <https://info.yahoo.com/legal/us/yahoo/utos/terms/?soc_src=mail&soc_trk=ma>
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Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

43327. Re: SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 00:06:06 UTC
From: ve3fmc@...
Topic: 43259 Message: 43327

I have the name, email address and phone number of a friend of mine who is also a ham. I have instructed my wife to contact him if I pass away. He will clean out my shack, take down antennas etc.

Then he will list everything and look after selling it. I told him he could have one of my many HF stations for his time and efforts.

I too have heard the stories about the nice young man who took all that old radio junk out of the basement so the poor grieving widow would not have to deal with it.

Guys like that are assholes and a disgrace to ham radio.

43328. Drake R4B Function Switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 00:27:33 UTC
From: k3jls@...
Topic: 43328 Message: 43328

Hello folks.

Was wondering if anyone had an R4 function switch they'd care to sell. I bit the bullet and removed the switch from the chassis. While the ball bearings (one or more - dunno) are missing ans nowhere in the radio, it looks like their carrier is missing, as well. It would appear that the individual who sold me the radio knew about this and covered it up. We've all heard the same excuse - 'worked fine before I shipped it'.

Anyway, if someone has one, pls let me know before I put this thing back together again.

73's - Joe - K3JLS

43329. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 01:34:09 UTC
From: Jerry Stover
Topic: 43169 Message: 43329

Indeed, this is truly very sad news. I too don't chime in very often. But I do try to read each and every post. One can't truly appreciate the many people that someone like Garey has helped and influenced over the years, and many times asking nothing in return, until they're no longer with us. He was a special person indeed, and reminds me once again that there is still very good people in this world. They're just getting harder and harder to find. But one doesn't have to look much further than right here with this group. Our thoughts and prayers will be with is family during this very difficult time.
Rest in peace Garey. Jerry W6dst "73 my friend ".

Sent from my iPad

> On Feb 21, 2018, at 8:34 AM, w3rxo@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> It has been a long while, since I chimed in, as I have sold all of my HF gear, including my beloved B-Line Twins.
> I saw this in message line, of the 'digest' email, while cleaning out emails. Truly sad news. The world is a lesser place!
>
> 73,
>
> Dan
> W3RXO/W5
>

43330. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 01:44:52 UTC
From: john
Topic: 42927 Message: 43330

Agreed.

I think remembering him in the footer of all the messages on this forum
would be appropriate too, given all he did for the community

John K5MO

On 2/21/2018 5:27 PM, Bill Leal ve3es@... [DrakeRadio] wrote:
>
>
>
> Perhaps a few words about Garey, his background and his impact on the
> Drake collectors can be said at the Drake forum at Xenia this year???
>
> With Drake no longer in the ham radio business, people like Garey and a
> small cadre of others deserve major kudos for their work, knowledge,
> expertise and devotion to all things Drake. I have attended many of the
> forums at Hara over the years and it is very impressive the dedication
> of many to keeping those Drakes going.
>
> I believe that the Collins side of life has a crew of dedicated users
> but what about others such as National, Hallicrafters, Hammarlund, etc...?
>
> Kudos to the n'th degree to all of you who are keeping Drake ham radio
> equipment on the air!!!
>
> Bill VE3ES
>
>
>
>

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III

43331. Re: [DrakeRadio] Drake R4B Function Switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 02:05:15 UTC
From: Steve Toth
Topic: 43328 Message: 43331

One fix you might consider if you cannot find a direct replacement (did this on a Sansui quad channel stereo receiver with a bad multi position, multi wafer switch):
I looked on epay for a rotary switch with the same number of positions, decks and the same shaft diameter and shaft knob mounting configuration (contact configuration and shaft length did not matter). Once I obtained the new switch I cut the shaft to the correct length, then I removed the decks. I then dis-assembled the Sansui switch with it dismounted from the receiver but still in-circuit with the wires attached. Basically I just replaced the shaft assembly and position mechanism with the unit from the switch I had purchased and used the existing switch decks. Worked fine. - Steve W7SJT"Always look for a positive solution then Improvise, Adapt, and Overcome"- adaptation of the U.S. Marine Corps motto
"Every day is an opportunity to challenge the achievement of your dreams"
"Success is not final, failure is not fatal. It is the courage to continue that counts."- Winston Churchill

From: "k3jls@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com
Sent: Wednesday, February 21, 2018 4:32 PM
Subject: [DrakeRadio] Drake R4B Function Switch

<!--#yiv1960364135 #yiv1960364135 .yiv1960364135ygrp-photo-title{clear:both;font-size:smaller;min-height:15px;overflow:hidden;text-align:center;width:75px;}#yiv1960364135 div.yiv1960364135ygrp-photo{background-position:center;background-repeat:no-repeat;background-color:white;border:1px solid black;min-height:62px;width:62px;}#yiv1960364135 div.yiv1960364135photo-title a, #yiv1960364135 div.yiv1960364135photo-title a:active, #yiv1960364135 div.yiv1960364135photo-title a:hover, #yiv1960364135 div.yiv1960364135photo-title a:visited {text-decoration:none;}#yiv1960364135 div.yiv1960364135attach-table div.yiv1960364135attach-row {clear:both;}#yiv1960364135 div.yiv1960364135attach-table div.yiv1960364135attach-row div {float:left;}#yiv1960364135 p {clear:both;padding:15px 0 3px 0;overflow:hidden;}#yiv1960364135 div.yiv1960364135ygrp-file {width:30px;}#yiv1960364135 div.yiv1960364135attach-table div.yiv1960364135attach-row div div a {text-decoration:none;}#yiv1960364135 div.yiv1960364135attach-table div.yiv1960364135attach-row div div span {font-weight:normal;}#yiv1960364135 div.yiv1960364135ygrp-file-title {font-weight:bold;}#yiv1960364135 --> <!--#yiv1960364135 #yiv1960364135ygrp-mkp {border:1px solid #d8d8d8;font-family:Arial;margin:10px 0;padding:0 10px;}#yiv1960364135 #yiv1960364135ygrp-mkp hr {border:1px solid #d8d8d8;}#yiv1960364135 #yiv1960364135ygrp-mkp #yiv1960364135hd {color:#628c2a;font-size:85%;font-weight:700;line-height:122%;margin:10px 0;}#yiv1960364135 #yiv1960364135ygrp-mkp #yiv1960364135ads {margin-bottom:10px;}#yiv1960364135 #yiv1960364135ygrp-mkp .yiv1960364135ad {padding:0 0;}#yiv1960364135 #yiv1960364135ygrp-mkp .yiv1960364135ad p {margin:0;}#yiv1960364135 #yiv1960364135ygrp-mkp .yiv1960364135ad a {color:#0000ff;text-decoration:none;}-->

Hello folks.
Was wondering if anyone had an R4 function switch they'd care to sell. I bit the bullet and removed the switch from the chassis. While the ball bearings (one or more - dunno) are

missing ans nowhere in the radio, it looks like their carrier is missing, as well. It would appear that the individual who sold me the radio knew about this and covered it up. We've all heard the same excuse - 'worked fine before I shipped it'.
Anyway, if someone has one, pls let me know before I put this thing back together again.
73's - Joe - K3JLS

43332. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 02:08:26 UTC
From: Stan Gammons
Topic: 42927 Message: 43332

Here is another link that has a picture. I never met Garey, but assume
this is a picture of him.

http://www.hendersonandsons.com/sitemaker/sites/HENDER3/obit.cgi?user=80860952_GBarrell

Stan
KM4HQE

On 02/21/2018 04:05 PM, Paul Morgan pwmorganjr48@... [DrakeRadio]
wrote:
> Garey Klee Barrell
> <http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/ar
ticle_66552a14-1746-11e8-ada8-b3551513f665.html>
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>
> Garey Klee Barrell
>
> Mr. Garey Klee Barrell, age 75, of Rome, passed away on Sunday,
> February 18, 2018, in a local hospital.
>
>
> <http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/ar
ticle_66552a14-1746-11e8-ada8-b3551513f665.html>
>
>
> 73's and God's Blessings to Garey.
>
> Paul Morgan - WA4HGT
>
>
> --
>
> --
> Reply via web post
> <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/messages/43072;_ylc=X3oDMT
JycTVnOGxmBF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRz
ZWMDZnRyBHNsawNycGx5BHN0aW1lAzE1MTg1NDYwOTY-?act=reply&messageNum=43072&soc_src=mail&soc_t
rk=ma>
> • Reply to sender
> <mailto:dukeshifi@...?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20substitutions>

> • Reply to group
> <mailto:DrakeRadio@yahoogroups.com?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20substitutions>
> • Start a New Topic
> <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/newtopic;_ylc=X3oDMTJmZnRlZzY2BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzE1MTg1NDYwOTY-?soc_src=mail&soc_trk=ma>
> • Messages in this topic
> <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/topics/42927;_ylc=X3oDMTM3Z2pjaTR0BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzE1MTg1NDYwOTYEdHBjSWQDNDI5Mjc-?soc_src=mail&soc_trk=ma>
> (14)
>
> ---
> Have you tried the highest rated email app? <https://yho.com/1wwmgg>
> With 4.5 stars in iTunes, the Yahoo Mail app is the highest rated
> email app on the market. What are you waiting for? Now you can access
> all your inboxes (Gmail, Outlook, AOL and more) in one place. Never
> delete an email again with 1000GB of free cloud storage.
> ---
> Visit Your Group
> <https://groups.yahoo.com/neo/groups/DrakeRadio/info;_ylc=X3oDMTJmZzZ0bzQ0BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE1MTg1NDYwOTY-?soc_src=mail&soc_trk=ma>
>
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlNWplN2VxBF9TAzk3NDc2NTkwBGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTUxODU0NjA5Ng--?soc_src=mail&soc_trk=ma>
>
> • Privacy
> <https://info.yahoo.com/privacy/us/yahoo/groups/details.html?soc_src=mail&soc_trk=ma>
> • Unsubscribe
> <mailto:DrakeRadio-unsubscribe@yahoogroups.com?subject=Unsubscribe> •
> Terms of Use
> <https://info.yahoo.com/legal/us/yahoo/utos/terms/?soc_src=mail&soc_trk=ma>
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43333. Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 02:17:04 UTC
From: Steve Toth
Topic: 43166 Message: 43333

My condolences to Gary's family. This is very sad and a great loss. I'm an infrequent contributor but I read the list every day. I learned so much from Gary about my Drake twins. His knowledge of how and why Drake gear worked was simply incredible and his CD's are invaluable.
I have heard that you can tell how many friends a person had by how many show up for the funeral (or eulogize him/her). By being who he was Gary earned the friendship of a great many people.
73 Gary and R.I.P.
- Steve W7SJT"Always look for a positive solution then Improvise, Adapt, and Overcome"- adaptation of the U.S. Marine Corps motto
"Every day is an opportunity to challenge the achievement of your dreams"
"Success is not final, failure is not fatal. It is the courage to continue that counts."- Winston Churchill

From: "Barry n4buq@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com
Sent: Monday, February 19, 2018 11:30 AM
Subject: Re: [DrakeRadio] Fw: {Collins} K4OAH SK

Very sad. I don't know if I ever met him in person (he lived here in Huntsville, AL, in the '60s so I might have) but always enjoyed his posts and helpful, friendly advice. He is missed.

Barry - N4BUQ

----- Original Message -----
> From: "Wayne Bethoney wbethoney@hotmail.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Monday, February 19, 2018 1:20:52 PM
> Subject: [DrakeRadio] Fw: {Collins} K4OAH SK
>
> This is terrible news.
>
>
> _____
> From: Collins <collins-bounces+wbethoney=hotmail.com@...> on behalf
> of Tony Vitolo via Collins <collins@listserve.com>
> Sent: Monday, February 19, 2018 2:18 PM
> To: Collins Reflector
> Subject: {Collins} K4OAH SK
>
> It is with deep sadness to report that Garey Barrell K4OAH became a
> silent key last night.
>
> Tony Vitolo W4AV
> Grayson GA.

>
> P.S. Would somebody please post this on the Drake reflector
> *** You are subscribed to Collins as wbethoney@.... If you wish to
> unsubscribe, or modify your preferences please visit
> https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fmailman.listserve.com%2Flistmanager%2Flistinfo%2Fcollins&data=02%7C01%7C%7Cad401f3c10f04520885308d577cdacd4%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C636546647600238173&sdata=XvMCviC9S55dc156ICQdHSW8tjqhrWjV4muKdDpNjSA%3D&reserved=0
> ***
>

Posted by: Barry <n4buq@knology.net>

Yahoo Groups Links

43334. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 02:29:20 UTC
From: Barry
Topic: 42927 Message: 43334

Thanks for that. I always wonder what folks look like that I've emailed with but never met.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Stan Gammons s_gammons@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com, "Paul Morgan" <pwmorganjr48@yahoo.com>
> Sent: Wednesday, February 21, 2018 8:08:26 PM
> Subject: Re: [DrakeRadio] Garey's Obituary
>
> Here is another link that has a picture. I never met Garey, but assume
> this is a picture of him.
>
> http://www.hendersonandsons.com/sitemaker/sites/HENDER3/obit.cgi?user=80860952_GBarrell
>
>
> Stan
> KM4HQE
>
>
> On 02/21/2018 04:05 PM, Paul Morgan pwmorganjr48@... [DrakeRadio]
> wrote:
> > Garey Klee Barrell
> > <http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/article_66552a14-1746-11e8-ada8-b3551513f665.html>
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> >
> > Garey Klee Barrell
> >
> > Mr. Garey Klee Barrell, age 75, of Rome, passed away on Sunday,
> > February 18, 2018, in a local hospital.
> >
> >
> > <http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/article_66552a14-1746-11e8-ada8-b3551513f665.html>
> >
> >
> > 73's and God's Blessings to Garey.

> >
> > Paul Morgan - WA4HGT
> >
> >
> > ---
> >
> > ---
> > Reply via web post
> > <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/messages/43072;_ylc=X3oDMTJycTVnOGxmBF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRzZWMDZnRyBHNsawNycGx5BHN0aW1lAzE1MTg1NDYwOTY-?act=reply&messageNum=43072&soc_src=mail&soc_trk=ma>
> > • Reply to sender
> > <mailto:dukeshifi@...?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20substitutions>
> > • Reply to group
> > <mailto:DrakeRadio@yahoogroups.com?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20substitutions>
> > • Start a New Topic
> > <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/newtopic;_ylc=X3oDMTJmZnRlZzY2BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzE1MTg1NDYwOTY-?soc_src=mail&soc_trk=ma>
> > • Messages in this topic
> > <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/topics/42927;_ylc=X3oDMTM3Z2pjaTR0BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzE1MTg1NDYwOTYEdHBjSWQDNDI5Mjc-?soc_src=mail&soc_trk=ma>
> > (14)
> >
> > ---
> > Have you tried the highest rated email app? <https://yho.com/1wwmgg>
> > With 4.5 stars in iTunes, the Yahoo Mail app is the highest rated
> > email app on the market. What are you waiting for? Now you can access
> > all your inboxes (Gmail, Outlook, AOL and more) in one place. Never
> > delete an email again with 1000GB of free cloud storage.
> > ---
> > Visit Your Group
> > <https://groups.yahoo.com/neo/groups/DrakeRadio/info;_ylc=X3oDMTJmZzZ0bzQ0BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE1MTg1NDYwOTY-?soc_src=mail&soc_trk=ma>
> >
> > Yahoo! Groups
> > <https://groups.yahoo.com/neo;_ylc=X3oDMTJlNWplN2VxBF9TAzk3NDc2NTkwBGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTUxODU0NjA5Ng--?soc_src=mail&soc_trk=ma>
> >
> > • Privacy
> > <https://info.yahoo.com/privacy/us/yahoo/groups/details.html?soc_src=mail&soc_trk=ma>
> > • Unsubscribe
> > <mailto:DrakeRadio-unsubscribe@yahoogroups.com?subject=Unsubscribe> •
> > Terms of Use
> > <https://info.yahoo.com/legal/us/yahoo/utos/terms/?soc_src=mail&soc_trk=ma>

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43335. SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 02:44:56 UTC
From: Whitebear1122
Topic: 43259 Message: 43335

I had my SK revelation moment several years ago. I had amassed a huge collection of tube ham radios from the 20’s, 30’s, 40’s, 50’s, 60’s and accessories. It was far larger than I could maintain or restore, and I had a lot of money tied up in them.

The company I worked for was sold off and a series of yearly or twice yearly layoffs ensued for the next 10 years and I was concerned about losing my job in a tight market. That got me thinking about having to pack up all this stuff if I got laid off and had to move for a job. Then one day out of the blue my wife asks me what should she do with all my radios if something happened to me. I said call my good friend Tom and have him take it all away and sell it for me. She said why would you do that to your best friend?…. So between the potential layoff and my wife’s wise words, I started the big radio sell off. It took, me 8 years to sell all that stuff, mainly through EBAY and the various boatanchor lists. Couldn’t bring them to hamfests because BA doesn’t sell unless it’s cheap, I wanted to get most of my money back if possible.

Low hanging fruit came first. The junkers, then the duplicates, then the nice radio’s that I would never get around to. It became exhilarating to identify the next round of radios to leave the shack. Eventually it got hard when it got down to my 2NT and 2C, and various Collins radios, now we were cutting into bone but I persisted. I’ve sold nearly 96% of all my radios and accessories and have a nice small manageable collection left. Most of my remaining stuff is shown on my QRZ.COM <http://qrz.com/> page.

I finally reached equilibrium 2 years ago and the big radio sell off was finally over. I essentially recovered pretty much all the money I spent buying radios. I made some nice money on some radios which is good because it covered the losses on some radios. But in the end it was pretty much of a wash so I was pleased.

So anyway, there is my SK story. Hope yours goes well too.

73, Scott WA9WFA

43336. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 02:53:19 UTC
From: Jim Shorney
Topic: 42927 Message: 43336

I see that there is a guest book too.

http://www.legacy.com/guestbook/Batesville/guestbook.aspx?n=garey-barrell&pid=188251501

On Wed, 21 Feb 2018 20:08:26 -0600, Stan Gammons s_gammons@... [DrakeRadio] wrote:

>Here is another link that has a picture.-? I never met Garey, but assume
>this is a picture of him.

>http://www.hendersonandsons.com/sitemaker/sites/HENDER3/obit.cgi?user=80860952_GBarrell

>Stan
>KM4HQE

>On 02/21/2018 04:05 PM, Paul Morgan pwmorganjr48@... [DrakeRadio]
>wrote:
>> Garey Klee Barrell
>> <http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/article_66552a14-1746-11e8-ada8-b3551513f665.html>

43337. Re: [DrakeRadio] Re: SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 03:10:04 UTC
From: RAY FRIESS
Topic: 43259 Message: 43337

My son in law is a ham. My wife says when I go, she is just going to have him come and take it all away.

At least I know it will continue to be put to good use.

Ray wa7itz

From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of ve3fmc@start.ca [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Wednesday, February 21, 2018 5:06 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Re: SK Estates

I have the name, email address and phone number of a friend of mine who is also a ham. I have instructed my wife to contact him if I pass away. He will clean out my shack, take down antennas etc.

Then he will list everything and look after selling it. I told him he could have one of my many HF stations for his time and efforts.

I too have heard the stories about the nice young man who took all that old radio junk out of the basement so the poor grieving widow would not have to deal with it.

Guys like that are assholes and a disgrace to ham radio.

43338. something for QST perhaps

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 03:51:25 UTC
From: Bill Leal
Topic: 43169 Message: 43338

Just thinking out loud but perhaps Garey's passing might stir up some interest in an article for QST magazine about Garey in particular and the Drake 'community' in general.
When I first got into the hobby back in the mid-70s, a nice new Drake 4-line of any vintage was beyond my means so like most I ended up with a HF transceiver made by the J.A.Pan Company. One huge big factory with a Yaesu shipping door on one side, an ICOM shipping door on another and a Kenwood shipping door on a third side.
Now that I am old and retired I have slowly been building up my collection of anything and everything Drake.
I am fascinated to the n'th degree that this 40 and 50+ year old equipment is still in working order and that it supported so heavily, no longer by the Drake company or what is left of it but by the 'Drake community'.
Members of the community such as K4OAH and a plethora of others who are out there deserve some recognition. Hence something in QST. I have often bumped into new ham radio ops who are unaware of companies like Hammarlund, Hallicrafters, Swan, Collins and Drake nor are aware that especially the latter two companies while no longer supporting their heritage products left behind a dedicated group of enthusiasts such as Garey Barrell who have been the foundation for the rest of us to keep these Drakes working!
73, Bill VE3ES

43339. Re: [DrakeRadio] Duplicate posts

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 03:58:31 UTC
From: Richard Knoppow
Topic: 19735 Message: 43339

A message from someone not subscribed will be bounced by the
server. You have to be a member of the list to post to it.

On 2/21/2018 8:42 AM, 'Douglas Glenn' dglenn@...
[DrakeRadio] wrote:
>
>
> A simple experiment would be having someone who is not a member
> of the group send a message to the group, and see if it
> duplicates.? Doug - K3ZMG

--
Richard Knoppow
1oldlens1@...
WB6KBL

43340. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 04:13:45 UTC
From: Richard Knoppow
Topic: 42927 Message: 43340

I am not the one who posted the obit. Appears to have been
sent by Paul Morgan pwmorganjr48@...
There was an earlier post of an obit for Garey's brother
Craig for the purpose of indicating some family ties.
FWIW, the two obits I received are linked at
Craig Barrell:
http://www.woodlawncremations.com/obituaries/Craig-Vaughn-Barrell?obId=2106672#/obituaryInfo
Garey Barrell: I can't find who posted it originally but it
was referred to by VE7PS. I think the original may be difficult
to find due to the mail server at Yahoo scrambling the order,
dates and times of posting.
http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/article_66552a14-1746-11e8-ada8-b3551513f665.html
In any case here are both death notices for the list.

On 2/21/2018 3:17 PM, Paul Morgan wrote:
> Richard, please check to make sure the obit went to everyone. I
> didn't see the rest of the group on the copy I received.
>
> Thank You

--
Richard Knoppow
1oldlens1@...
WB6KBL

43341. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 04:16:41 UTC
From: Richard Knoppow
Topic: 42927 Message: 43341

I always thought of him as looking like Cary Grant.
Thanks for this additional information.

On 2/21/2018 6:08 PM, Stan Gammons s_gammons@...
[DrakeRadio] wrote:
>
>
> Here is another link that has a picture.? I never met Garey, but
> assume this is a picture of him.
>
> http://www.hendersonandsons.com/sitemaker/sites/HENDER3/obit.cgi?user=80860952_GBarrell
>
>
> Stan
> KM4HQE

--
Richard Knoppow
1oldlens1@...
WB6KBL

43342. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 04:21:33 UTC
From: Richard Knoppow
Topic: 42927 Message: 43342

I just forwarded your link. The messages have been arriving
in such a scra

On 2/21/2018 3:17 PM, Paul Morgan pwmorganjr48@...
[DrakeRadio] wrote:
>
>
> Richard, please check to make sure the obit went to everyone. I
> didn't see the rest of the group on the copy I received.
>
> Thank You
>
>
> ---
> *From:* "Richard Knoppow 1oldlens1@... [DrakeRadio]"
> <DrakeRadio@yahoogroups.com>
> *To:* DrakeRadio@yahoogroups.com; Paul Morgan
> <pwmorganjr48@...>
> *Sent:* Wednesday, February 21, 2018 5:22 PM
> *Subject:* Re: [DrakeRadio] Garey's Obituary
>
> ? ? Thank you for posting this. I am glad somehow he had a large
> family, I am sure they thought as much of him as we do most of
> whom knew him only peripherally.? An accomplished and very decent
> person.
>
> On 2/21/2018 2:05 PM, Paul Morgan pwmorganjr48@...
> <mailto:pwmorganjr48@...>
> [DrakeRadio] wrote:
> >
> >
> > Garey Klee Barrell
> >
> <http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/article_66552a14-1746-11e8-ada8-b3551513f665.html>
> >
> >
> >
> >
> >
> >
> >? ? Garey Klee Barrell
> >
> > Mr. Garey Klee Barrell, age 75, of Rome, passed away on Sunday,
> > February 18, 2018, in a local hospital.

> >
> >
> >
> <http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/article_66552a14-1746-11e8-ada8-b3551513f665.html>
> >
> >
> > 73's and God's Blessings to Garey.
> >
> > Paul Morgan - WA4HGT
> >
> >
> > ---
> >
> > ---
> > Reply via web post
> >
> <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/messages/43072;_ylc=X3oDMTJycTVnOGxmBF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRzZWMDZnRyBHNsawNycGx5BHN0aW1lAzE1MTg1NDYwOTY-?act=reply&messageNum=43072&soc_src=mail&soc_trk=ma>
>
> > ??? ???? Reply to sender
> > <mailto:dukeshifi@...
> <mailto:dukeshifi@...>?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20substitutions>
>
> > ??? ???? Reply to group
> > <mailto:DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20substitutions>
>
> > ??? ???? Start a New Topic
> >
> <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/newtopic;_ylc=X3oDMTJmZnRlZzY2BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzE1MTg1NDYwOTY-?soc_src=mail&soc_trk=ma>
>
> > ??? ???? Messages in this topic
> >
> <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/topics/42927;_ylc=X3oDMTM3Z2pjaTR0BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzE1MTg1NDYwOTYEdHBjSWQDNDI5Mjc-?soc_src=mail&soc_trk=ma>
>
> > (14)
> >
> > ---
> > Have you tried the highest rated email app?
> <https://yho.com/1wwmgg>
> > With 4.5 stars in iTunes, the Yahoo Mail app is the highest rated
> > email app on the market. What are you waiting for? Now you can

> > access all your inboxes (Gmail, Outlook, AOL and more) in one
> > place. Never delete an email again with 1000GB of free cloud
> storage.
> > --
> > Visit Your Group
> >
> <https://groups.yahoo.com/neo/groups/DrakeRadio/info;_ylc=X3oDMTJmZzZ0bzQ0BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE1MTg1NDYwOTY-?soc_src=mail&soc_trk=ma>
>
> >
> >
> > Yahoo! Groups
> >
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlNWplN2VxBF9TAzk3NDc2NTkwBGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTUxODU0NjA5Ng--?soc_src=mail&soc_trk=ma>
>
> >
> > ? Privacy
> >
> <https://info.yahoo.com/privacy/us/yahoo/groups/details.html?soc_src=mail&soc_trk=ma>
>
> > ? Unsubscribe
> > <mailto:DrakeRadio-unsubscribe@yahoogroups.com
> <mailto:DrakeRadio-unsubscribe@yahoogroups.com>?subject=Unsubscribe>
> > ? Terms of Use
> >
> <https://info.yahoo.com/legal/us/yahoo/utos/terms/?soc_src=mail&soc_trk=ma>
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> --
> Richard Knoppow
> 1oldlens1@... <mailto:1oldlens1@...>
> WB6KBL
>
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> ------------------------------------
>
> Yahoo Groups Links
>
>
> ? ? (Yahoo! ID required)
>
> DrakeRadio-fullfeatured@yahoogroups.com
> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
>
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>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43343. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 04:27:32 UTC
From: Richard Knoppow
Topic: 42927 Message: 43343

Yikes!!! Not the server, ME. I am not sure how I did this.

On 2/21/2018 8:21 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
I just forwarded your link. The messages have been arriving
in such a chaotic way they are too scrambled to find anything
easily.
Is how it should read.
> On 2/21/2018 3:17 PM, Paul Morgan pwmorganjr48@...
> [DrakeRadio] wrote:
>>
>>
>> Richard, please check to make sure the obit went to everyone. I
>> didn't see the rest of the group on the copy I received.
>>
>> Thank You

--
Richard Knoppow
1oldlens1@...
WB6KBL

43344. K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 05:05:48 UTC
From: Rory
Topic: 43169 Message: 43344

I'm saddened by Garey's passing, I never had a chance to talk to him because I'm not yet a Drake owner. I just recently decided that I would like to build a "C" line.

I already have been playing with a few BA's like the TX-1 and TS-820S and 830S.

It really seems that we have lost a very talented man. I will order his CD's once they become available again.

My wishes are to have a late model T-4XC, R-4C, MN-2000, W4, MS-4,AC-4 and the venerable L-4B and then I would be happy as a clam, or is it ham? I was going to go the TR-7A route but thought I love the glow of tubes/valves, oh and of course I don't want to break the bank doing it.

So in closing, to Garey's family and friends my thoughts and prayers to you all.

73

N6OIL, Rory

43345. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 05:14:50 UTC
From: Byron Hayes Jr
Topic: 42927 Message: 43345

I would suggest that someone close to Garey collect all of the accolades and condolances expressed on this forum, printing them out to deliver them to his widow and family, so they will know of the deep appreciation this group had for Garey. I am mostly a lurker and not close to Garey, so I am not the person to do this, but I also thought he was a wonderful inspiration and help to the group. I believe there is enough information in the obituary that someone close to Rome GA could make the delivery.

Byron WA6ATN

At 02:05 PM 2/21/2018, Paul Morgan pwmorganjr48@... [DrakeRadio] wrote:

><http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/article_66552a14-1746-11e8-ada8-b3551513f665.html>Garey Klee Barrell
>
><http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/article_66552a14-1746-11e8-ada8-b3551513f665.html>
>
>
>Garey Klee Barrell
>
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>
><http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/article_66552a14-1746-11e8-ada8-b3551513f665.html>
>
>Mr. Garey Klee Barrell, age 75, of Rome, passed away on Sunday, February 18, 2018, in a local hospital.
>
>
>73's and God's Blessings to Garey.
>
>Paul Morgan - WA4HGT
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>----------
><https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/messages/43072;_ylc=X3oDMTJycTVnOGxmBF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRzZWMDZnRyBHNsawNycGx5BHN0aW1lAzE1MTg1NDYwOTY-?act=reply&messageNum=43072&soc_src=mail&soc_trk=ma>Reply via web post ☐
<mailto:dukeshifi@...?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20substitutions>Reply to sender ☐ <mailto:DrakeRadio@yahoogroups.com?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20substitutions>Reply to group ☐ <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/newtopic;_ylc=X3oDMTJmZnRlZzY2BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZ

nRyBHNsawNudHBjBHN0aW1lAzE1MTg1NDYwOTY-?soc_src=mail&soc_trk=ma>Start a New Topic ☐ <https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/topics/42927;_ylc=X3oDMTM3Z2pjaTR0BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzE1MTg1NDYwOTYEdHBjSWQDNDI5Mjc-?soc_src=mail&soc_trk=ma>Messages in this topic (14)
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>[]
>
>Have you tried the highest rated email app?
>With 4.5 stars in iTunes, the Yahoo Mail app is the highest rated email app on the market. What are you waiting for? Now you can access all your inboxes (Gmail, Outlook, AOL and more) in one place. Never delete an email again with 1000GB of free cloud storage.
>
>----------
><https://groups.yahoo.com/neo/groups/DrakeRadio/info;_ylc=X3oDMTJmZzZ0bzQ0BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE1MTg1NDYwOTY-?soc_src=mail&soc_trk=ma>Visit Your Group
><https://groups.yahoo.com/neo;_ylc=X3oDMTJlNWplN2VxBF9TAzk3NDc2NTkwBGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTUxODU0NjA5Ng--?soc_src=mail&soc_trk=ma>
>Yahoo! Groups
>
>☐ <https://info.yahoo.com/privacy/us/yahoo/groups/details.html?soc_src=mail&soc_trk=ma>Privacy ☐ <mailto:DrakeRadio-unsubscribe@yahoogroups.com?subject=Unsubscribe>Unsubscribe â☐¢ <https://info.yahoo.com/legal/us/yahoo/utos/terms/?soc_src=mail&soc_trk=ma>Terms of Use
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43346. Re: [DrakeRadio] Drake R4B Function Switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 05:41:41 UTC
From: Kc9cdt@...
Topic: 43328 Message: 43346

I might have one...send me a photo

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: k3jls@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Wed, Feb 21, 2018 7:32 pm
Subject: [DrakeRadio] Drake R4B Function Switch

Hello folks.

Was wondering if anyone had an R4 function switch they'd care to sell. I bit the bullet and removed the switch from the chassis. While the ball bearings (one or more - dunno) are missing ans nowhere in the radio, it looks like their carrier is missing, as well. It would appear that the individual who sold me the radio knew about this and covered it up. We've all heard the same excuse - 'worked fine before I shipped it'.

Anyway, if someone has one, pls let me know before I put this thing back together again.

73's - Joe - K3JLS

43347. K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 12:33:48 UTC
From: Dan Galligan
Topic: 43169 Message: 43347

Richard,
Thank you for finding the Obituary in the Rome News Tribune. I had searched for it as best I could, and found nothing. Google was NOT my friend, in this one.
In reading the Obit, i noticed that he was a fellow Kentucky Colonel, and I had never known that. We had even more in common than Ham Radio an an interest in Drakes and other tube gear.
This truly saddens me. Garey’s loss is a great one, to amateur radio, but especially to this group of folks.
If anyone else is a friend of his on Facebook, it might be nice of you to drop a line or condolence on his “Wall” as I think they call it. His family likely already knows how much he meant to this group. But, it might be nice for them to read some of our gratitude, on his social media account.

73,
Dan Galligan
W3RXO/W5
Evening Shade, OK
EM25no08

43348. Re: [DrakeRadio] SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 12:49:41 UTC
From: Steve Wedge
Topic: 43259 Message: 43348

Scott, it sounds like you had even more stuff than me! I still have a few to move out of here and will likely put my TR-3 up here shortly for about $150. I'm agonising over my "TR-34" and will probably keep it.

This year, I sold and shipped out BA test equipment (why do I STILL have no room on my bench?!) and a couple of rigs. The remaining stuff will be put on a spreadsheet with contact names and numbers in case my XYL needs to "do the needful".

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Wed, Feb 21, 2018 at 9:44 PM, Whitebear1122 whitebear1122@comcast.net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> I had my SK revelation moment several years ago. I had amassed a huge
> collection of tube ham radios from the 20’s, 30’s, 40’s, 50’s, 60’s and
> accessories. It was far larger than I could maintain or restore, and I had
> a lot of money tied up in them.
>
> The company I worked for was sold off and a series of yearly or twice
> yearly layoffs ensued for the next 10 years and I was concerned about
> losing my job in a tight market. That got me thinking about having to pack
> up all this stuff if I got laid off and had to move for a job. Then one
> day out of the blue my wife asks me what should she do with all my radios
> if something happened to me. I said call my good friend Tom and have him
> take it all away and sell it for me. She said why would you do that to
> your best friend?…. So between the potential layoff and my wife’s wise
> words, I started the big radio sell off. It took, me 8 years to sell all
> that stuff, mainly through EBAY and the various boatanchor lists. Couldn’t
> bring them to hamfests because BA doesn’t sell unless it’s cheap, I wanted
> to get most of my money back if possible.
>
> Low hanging fruit came first. The junkers, then the duplicates, then the
> nice radio’s that I would never get around to. It became exhilarating to
> identify the next round of radios to leave the shack. Eventually it got
> hard when it got down to my 2NT and 2C, and various Collins radios, now we
> were cutting into bone but I persisted. I’ve sold nearly 96% of all my
> radios and accessories and have a nice small manageable collection left.
> Most of my remaining stuff is shown on my QRZ.COM page.
>
> I finally reached equilibrium 2 years ago and the big radio sell off was
> finally over. I essentially recovered pretty much all the money I spent

> buying radios. I made some nice money on some radios which is good because
> it covered the losses on some radios. But in the end it was pretty much of
> a wash so I was pleased.
>
> So anyway, there is my SK story. Hope yours goes well too.
>
> 73, Scott WA9WFA
>
>
>

43349. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 12:52:16 UTC
From: Dave Edwards
Topic: 43201 Message: 43349

Thanks all for you replies to my original post about the rubber bushing behind the knob

for the calibrate clutch (whatever you call it)

A couple more notes.

Some had said push in on the metal disk, hold and turn the knob.

I've calibrated zillions of times, but not in years. Wasn't sure I really knew what I was doing!

So, went back in the shack...Nope...R4C will not allow the metal ring to hold the dial in place.

So, I tried the T4XC.....same thing!!!

Mayby I'm doing something wrong??

Tried the TR4C and TR4CWrit...

They both work like a charm!

So, I guess problem not solved, but surely discovered!

Do you think that bushing has dissolved, turned into goo, or hard as ceramic?

Is the 1/4 rubber tubing my best bet....or is there a source for rubber bushing?

Thanks again for all your help!

Garey would be proud!

....Dave

On 2/21/18 1:00 AM, Richard Knoppow 1oldlens1@... [DrakeRadio] wrote:
> I knew they were different but though maybe there was a
> simple way on the C. On the B you can just push the clear dial
> with a finger. Set it so the fiducial (Collins term for pointer)
> is centered in its range. One really only has to do it once in a
> great while.
> I often post stuff from memory and then before sending it try
> to look it up. I have a good but not perfect memory. I do a lot
> of thinking while driving. It has been a long time since I
> ski-ed. I used to love it.
> Not quite cold enough for snow here in the big city but

> pretty cold. Will probably snow in the mountains not far away.
>
> On 2/20/2018 4:15 PM, VE7PS ve7ps@... [DrakeRadio] wrote:
>> Richard:
>>
>> Indeed, you can get away this on the B-line and earlier, but not on the
>> C-line twin dials mechanism.? The dials are fixed to each other, and to
>> some of the gears themselves, with 2 (later 3) tiny brass rivets so they
>> will not rotate without "releasing" one, or two, of the idler gears in
>> the mechanism, depending on whether you have a no lever, one lever, or
>> two lever model.? The levers were added in later serial numbers to
>> facilitate alignment of the two dials.? It's still a bit of a "3-hands
>> would be nice" job though to get it done, especially with the "no lever"
>> or "one lever" versions!
>>
>> On the B-line, Drake gave us the little red button to slide the dial
>> window to correct for "end spread", and variations, aging, temperature
>> or whatever, changes in the het osc xtals from band to band.? On the
>> C-line dial, we got the "push in and hold the dial skirt, then rotate
>> the knob" action to make that same correction. As with the window slider
>> though, travel was limited mechanically. In the C-line case, this was
>> accomplished by a small roll pin inserted through a tiny hole in the
>> 1/4" shaft that would catch a plastic tab on the rear of the innermost
>> gear attached (glued?) to the inner brass tube.
>>
>> BTW, I am doing this completely from memory, as I am far from my beloved
>> Drakes.? If I've messed up, let me know.? I can't go and check? a PTO on
>> my bench!? :-)
>>
>> I did manage to work out a non-invasive method for setting the
>> adjustment stop at midpoint while skiing at 7000' + feet this morning.
>> Maybe it was the cold..... 0 deg F!! Brrrr!
>>
>> 73,
>> Peter
>> VE7PS

43350. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 13:58:10 UTC
From: Steve Wedge
Topic: 43201 Message: 43350

Dave, it sounds like it's gone hard as ceramic. If you kept the rigs in the attic, the deterioration would accelerate. 1/4" fuel line works as a substitute. You really need to cut the ends perfectly square.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Thu, Feb 22, 2018 at 7:52 AM, Dave Edwards kd2e@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Thanks all for you replies to my original post about the rubber bushing
> behind the knob
>
> for the calibrate clutch (whatever you call it)
>
> A couple more notes.
>
> Some had said push in on the metal disk, hold and turn the knob.
>
> I've calibrated zillions of times, but not in years. Wasn't sure I really
> knew what I was doing!
>
> So, went back in the shack...Nope...R4C will not allow the metal ring to
> hold the dial in place.
>
> So, I tried the T4XC.....same thing!!!
>
> Mayby I'm doing something wrong??
>
> Tried the TR4C and TR4CWrit...
>
> They both work like a charm!
>
> So, I guess problem not solved, but surely discovered!
>
> Do you think that bushing has dissolved, turned into goo, or hard as
> ceramic?
>
> Is the 1/4 rubber tubing my best bet....or is there a source for rubber
> bushing?
>
> Thanks again for all your help!
>

> Garey would be proud!
>
> ....Dave
>
> On 2/21/18 1:00 AM, Richard Knoppow 1oldlens1@... [DrakeRadio]
> wrote:
>
> I knew they were different but though maybe there was a
> simple way on the C. On the B you can just push the clear dial
> with a finger. Set it so the fiducial (Collins term for pointer)
> is centered in its range. One really only has to do it once in a
> great while.
> I often post stuff from memory and then before sending it try
> to look it up. I have a good but not perfect memory. I do a lot
> of thinking while driving. It has been a long time since I
> ski-ed. I used to love it.
> Not quite cold enough for snow here in the big city but
> pretty cold. Will probably snow in the mountains not far away.
>
> On 2/20/2018 4:15 PM, VE7PS ve7ps@... [DrakeRadio] wrote:
>
> Richard:
>
> Indeed, you can get away this on the B-line and earlier, but not on the
> C-line twin dials mechanism. The dials are fixed to each other, and to
> some of the gears themselves, with 2 (later 3) tiny brass rivets so they
> will not rotate without "releasing" one, or two, of the idler gears in
> the mechanism, depending on whether you have a no lever, one lever, or
> two lever model. The levers were added in later serial numbers to
> facilitate alignment of the two dials. It's still a bit of a "3-hands
> would be nice" job though to get it done, especially with the "no lever"
> or "one lever" versions!
>
> On the B-line, Drake gave us the little red button to slide the dial
> window to correct for "end spread", and variations, aging, temperature
> or whatever, changes in the het osc xtals from band to band. On the
> C-line dial, we got the "push in and hold the dial skirt, then rotate
> the knob" action to make that same correction. As with the window slider
> though, travel was limited mechanically. In the C-line case, this was
> accomplished by a small roll pin inserted through a tiny hole in the
> 1/4" shaft that would catch a plastic tab on the rear of the innermost
> gear attached (glued?) to the inner brass tube.
>
> BTW, I am doing this completely from memory, as I am far from my beloved
> Drakes. If I've messed up, let me know. I can't go and check a PTO on
> my bench! :-)
>
> I did manage to work out a non-invasive method for setting the
> adjustment stop at midpoint while skiing at 7000' + feet this morning.
> Maybe it was the cold..... 0 deg F!! Brrrr!

>
> 73,
> Peter
> VE7PS
>
>
>
>

43351. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 15:17:12 UTC
From: va3mgn@...
Topic: 43201 Message: 43351

Dave, sorry for this late reply. Been there with the hardened bushing. If you have not already done so, please check this out:
http://www.wb4hfn.com/DRAKE/DrakeArticles/TechTips/BushingRepair.htm
http://www.wb4hfn.com/DRAKE/DrakeArticles/TechTips/BushingRepair.htm. If the bushing is not completely ossified, try some rubber rejuvenator (mine is from MG Chemicals). This "sometimes" works. Best of luck. Matt, VA3MGN

43352. Re: [DrakeRadio] R4C calibrate dial

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 15:44:36 UTC
From: rar100
Topic: 43201 Message: 43352

I’ve used the same technique on the bandpass tuning shaft of a 2B. Don’t pull or push on the shaft any more than "gently" or it can cause sideband tuning problems. Use a exacto knife to cut the old one off and lubrication for installing the new one.

Rick
W9WS

> On Feb 22, 2018, at 9:17 AM, va3mgn@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Dave, sorry for this late reply. Been there with the hardened bushing. If you have not already done so, please check this out: http://www.wb4hfn.com/DRAKE/DrakeArticles/TechTips/BushingRepair.htm <http://www.wb4hfn.com/DRAKE/DrakeArticles/TechTips/BushingRepair.htm>. If the bushing is not completely ossified, try some rubber rejuvenator (mine is from MG Chemicals). This "sometimes" works. Best of luck. Matt, VA3MGN
>
>

43353. Re: [DrakeRadio] SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-22 15:52:21 UTC
From: djed1@...
Topic: 43259 Message: 43353

Reminds me of an incident many years ago- my wife like to visit garage sales on a nice Saturday morning. We followed the signs to a large house on a hill, which had two "Big Bertha" rotatable towers behind, with a forest of yagis on each (topped with a 3 element 80m yagi). Long story short, in speaking with the widow she told me I could have the antenna system if I took it away. Sadly, I realized the 80m yagi would extend past my property line on each side, the neighbors would be up in arms, and it would probably cost $50K to transfer the tower and antennas. So I had to decline, but I've been regretting it ever since.
Ed W2EMN

-----Original Message-----
From: RAY FRIESS rayfrijr@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com>; 'Evan' <k9sqg@...>
Sent: Wed, Feb 21, 2018 9:58 pm
Subject: Re: [DrakeRadio] SK Estates

I've obtained two towers and three triband beams and rotors over the years from widows who said. "Come take em down and they're yours."

Sent from my Verizon LG Smartphone

------ Original message------
From: Joe w7rkn.7@... [DrakeRadio]
Date: Wed, Feb 21, 2018 9:41 AM
To: DrakeRadio@yahoogroups.com;'Evan';
Cc:
Subject:RE: [DrakeRadio] SK Estates

Sometimes, SK equipment can take a different, and pleasant journey to a new home:

Several years ago, out local ham club received a request from a widow in North Shore, Lake Tahoe, to come up and ‘clean out her SK’s shack’, as it was a portion of the garage and she wanted her garage back.

Long story even longer, no one responded. About 3 weeks later, a friend told me about the request for help, so I called her to see if anyone had offered to help.

Answer? NO. So I made arrangements to come up. I spent the better part of morning, sorting everything and assigning estimated worth to each item, which included unopened, unbuilt HeathKit kits of a complete SB-102 station, including 2 built amplifiers, an SB-200 and an SB-220., each with a complete set of spare NOS tubes. Also in the ‘pile’, a brand new PalStar AT2K tuner, still in an unopened box. There were 2 TS-520S’s, with extra NOS boxes of tubes for each rig.

Oh yeah, also in the mix, was a very clean Drake L-4B, but was in the process of being rebuilt.

And there were 3 big boxes of electronic parts, resisters, caps, wire, solder, soldering stations (Including a real nice professional grade, hot air/vacuum pump desoldering station, yada, yada, yada. Oh yes, and quite an extensive library of old (1960's and later) QST's, ARRL Call books, etc. [Even found me, in the 1962 call book with my old {Original} Novice call! WN6RKN!]

Anywho…Got everything loaded into my truck and told her that I would offer for sale on the local net, and then take what was left to one of our swap meets, and send her a check for what we got. She looked at me kinda funny like, and told me, "Oh, I'm sorry. I don't want anything, this is all yours for coming up and helping me clean out the shack!"

I liked to have had a heart attack! I asked her if she was absolutely sure, there was a sizable chunk of change in value but she told me she didn't need any money [Which was obvious, as her house was probably in the rarified price range of 3-10 million dollars….10 acres on the Lake, big boat house, and a humongous Chris-Craft (25 to 30 foot??)

Like I said, sometimes one can get a pleasant surprise when helping widows sort through their SK's ham shack! J

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] SK Estates

Fellow Drake enthusiasts,

Yes, indeed, preparing for disposition of ham equipment is a worthwhile endeavor. Not only does it provide optimum benefit for the family members, it also gives the ham the opportunity to ensure that "I always wanted so and so to have this piece of equipment", or donating it to a local club or school, is honored.

Over the years, I've attempted to help almost a dozen widows or family members dispose of ham equipment to obtain reasonable pricing. This was in response to requests from the local radio clubs or word of mouth. I offered to test the equipment, document the basis for pricing, clean it up, place the ads, pack it, etc. and all for free. Without exception, I failed in all instances. Why? Well somehow, there always seemed to be a bottom feeder that came by during the process, with cash in hand, and in their grief the widow or family members took their offer. In one case, a gentleman had equipment that I estimated had a fair market value in the $15-20,000 range. His son in law sold it to a bottom feeder for $3,000. This was after he and I already had an agreement about how I was to handle the disposition of the equipment. Not only that, after selling the equipment he called me to ask what I thought of the deal and I gave him the bad news about how much money was lost for his father in law doing things this way. Since the ham was going into a nursing home, that extra $12,000 or so could have helped quite a bit. I won't use bandwidth here to describe experiences with local auction services, but I think you get the drift.

Bottom line, to help a grieving widow or surviving family members, preparing in advance is a great idea. It not only helps to maximize the return on the equipment, it also helps to ensure disposition to friends if that is the ham's desire. Actually, disposing of ham equipment should be part of an overall process of estate planning, having a will, forming a trust, etc. etc.

Let's all help when we can. Not sure how many bottom feeders there are out there that take advantage of such sad situations, but maybe we can make a dent in what they do; they go

well beyond what one might consider to be a "simple business transaction", especially under the circumstances..

73,

Evan, K9SQG

-----Original Message-----
From: Jim Lowman jmlowman@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; MadScientist <dukeshifi@comcast.net>
Sent: Wed, Feb 21, 2018 5:17 am
Subject: Re: [DrakeRadio] SK Estates

Both good observations! Thanks for sharing these sad stories.

My late XYL of almost 45 years passed suddenly, nearly three years ago..

While she held the Technician Class license, she knew that the radio equipment was worth several thousand dollars.

Having no immediate family in the area, I named my girlfriend as executor of my estate.

With regard to the equipment in the shack, I left instructions for her to contact the officers of the local club and let them manage the sale, with a commission built in, and to give her the net proceeds. She has no interest in ham radio, as is typical with our significant others.

What's even more tragic is to have one of our fraternity pass away and, with no other hams in the family, valuable equipment ends up in the trash..

The need for doing this came to light after a recent knee-replacement surgery went south and I had to have 10 subsequent surgeries. I hit a low point, thinking I would never leave the hospital alive. Of course, anything can happen as I approach my 70th birthday.

73 de Jim-AD6CW

On Feb 20, 2018, at 10:33 PM, MadScientist dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

You make a very good point John.

This tragic loss does bring that issue to light.

I know of one local ham here in Saint Paul, who would occasionally buy items from our ham store. Not wanting to tell his wife the full amount he had paid for an item, he always told her whatever new item he brought home cost $25.

Some of the items were hundreds of dollars.

When he passed, a “friend" visited the widow and “generously” offered to buy everything in the ham radio estate for “exactly what the SK had paid for each item, $25 each”. She bit.

To add insult to injury, this scumbag came to the ham store a few weeks later and bragged about his shrewd deal on this gear!

I have handled maybe 5 ham estate sales (one was a man who was a former Collins engineer and who closed out his radio estate {with my assistance} while he was dying of brain cancer) and always worked with the widows to share market values, made adjustments for condition and possible repairs, and allowed an honest margin for myself.

I am not promoting a service since doing estate sales breaks my heart, especially the one in which the fellow was still living (if you can call it that).

I am just commenting that there are thieves out there and, just because they have call letters, there is no guarantee they won't pull a similar stunt.

I have a LOT of stuff. I am working towards liquidating some but also towards putting a value tag on everything of significance that I own so that, should something happen to me, at least my wife will know what to expect from this huge pile of stuff.

Gary

W0DVN

On Feb 20, 2018, at 3:54 PM,wb0rxl@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Greetings.

With the terrible news about the passing of K4OAH, it reminds me of a topic we don't like to discuss, but should be touched upon. What will happen to my ham gear upon my death? Years ago I knew of a ham who lived across the street from a friends house. I noticed one day the tower was gone. My friend related that he had died. When he visited with the widow she mentioned that "a nice young man came and took everything away - and didn't charge me anything!" Since this was in a lower socio-economic section of the area, I suspect she could have really used the money from the sale of her husband's gear.

In addition to our regular will, I have outlined a specific plan for my wife or other family members to use as a guide upon my death. Some of it depends upon their desire for the equipment, but it also gives contact names and numbers for those who could be asked to sell various items.

So as we mourn the passing of our friend, I also put the question to each of us - What is the plan for YOUR equipment?

John

WB0RXL

43354. Re: [DrakeRadio] Sweep tube substitutions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-23 01:23:07 UTC
From: rjhassell
Topic: 42927 Message: 43354

He was a great help to me and I will really miss him. Enjoy all those nos tubes in heaven!

Sent from my Verizon, Samsung Galaxy smartphone

43355. Mouser Electronics customer service

Yahoo group: DrakeRadio (2018)
Date: 2018-02-23 05:41:53 UTC
From: Jim Shorney
Topic: 43355 Message: 43355

I'm not a big customer of Mouser, but I do typically make several small orders a year and have never had any problems until this week. I had ordered a whopping three capacitors to repair an HDTV power supply board. When the box (yes, a BOX for three small caps!) arrived today I found one of the ziploc bags that should have had a single cap in it was empty. The cap was not rolling around in the box and the box itself had not been compromised in any way. I suspect the cap fell out of the bag when it was being packed and is probably underneath someone's work table..

Right away I went to the Mouser web site and submitted a problem ticket.Three hours later (6:57PM CT) I got an email from Claudia at Mouser apologising for the error and she wrote that a replacment would be shipped at no charge right away. Her email actually came in 45 seconds after a notification that the order had been submitted.

I would call that good customer service!

73

-Jim
NU0C

--

"Life is too short for QRP" - ETO Alpha

"DeciBels were invented to give QRPers a false sense of smugness" - NU0C
"QRO is a public service" - NU0C

43356. Re: [DrakeRadio] My T4xc 10khz below.

Yahoo group: DrakeRadio (2018)
Date: 2018-02-23 12:01:35 UTC
From: Dondi
Topic: 43084 Message: 43356
Attachments: 1 described; binary payloads are missing from this source WARC

Hi, Drake lovers.
I'm sorry for the delay in answering, and I lost my job and I was
unintentionally late at lunch.
I'm at my mother's house now.

I will check all the suggestions and re-clean the key contacts.

Thank you for joining .....

<https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=webmail>
Livre
de vírus. www.avast.com
<https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=webmail>.
<#DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>

2018-02-15 19:03 GMT-02:00 Steve Wedge steve27302@... [DrakeRadio] <
DrakeRadio@yahoogroups.com>:

>
>
> If you've been doing anything mechanical with the dial, there's a very
> good chance that you will be able to easily get the frequency calibrated.
> Is the error the same on all bands?
>
> Steve Wedge, W1ES/4
>
> Time flies like an arrow; fruit flies like a banana.
>
> On Thu, Feb 15, 2018 at 2:30 PM, Richard Knoppow 1oldlens1@...
> [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>> Might be mechanical. Check the end points of the dial. I am
>> not an expert on the dial used on the T4XC and R4C but there are
>> others here who are and can advise on how to fix it if the
>> problem is there. On the B line the dials can get of line because
>> a gear has skipped a tooth but I am not sure about the C line.
>>
>> On 2/15/2018 3:05 AM, Dondi py2tr.radio@... [DrakeRadio] wrote:
>> >
>> >
>> > Dear friends of Drake,
>> > My T4xc is transmitted from 8KHZ to 10KHZ BELOW ...
>> >

>> > ANY SUGGESTION?
>> >
>> > HI, WHEN I TURNED IT OFF AFTER THE LAST QSO WAS ALL OK ...
>> > A WEEK STOPPED AND WHEN I CALLED ... I WINNED THIS SURPRISE!
>> >
>> Richard Knoppow
>> 1oldlens1@...
>> WB6KBL
>>
>>
>> ------------------------------------
>>
>> ------------------------------------
>>
>>
>> ------------------------------------
>>
>> Yahoo Groups Links
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>

--
73 & QRV!
* PY2TR*
* DONDI*.

* GG67RA*
[image: cid:21CA93CE-AC8F-4FA3-8151-4E18E044767E@...]

43357. Re: [DrakeRadio] Mouser Electronics customer service

Yahoo group: DrakeRadio (2018)
Date: 2018-02-23 12:26:56 UTC
From: Chgypsy@...
Topic: 43355 Message: 43357

Jim,
Disagree! Thats not "good" , thats closer to great in this day and age.

I had to wait a week for someone with authority to step up to a problem, the last time an event occurred similar to this.
Carl WD8NHK

-----Original Message-----
From: 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: drakeradio <drakeradio@yahoogroups.com>
Sent: Fri, Feb 23, 2018 12:42 am
Subject: [DrakeRadio] Mouser Electronics customer service

I'm not a big customer of Mouser,<<< xxx >>>>

I would call that good customer service!

73

-Jim
NU0C

"Life is too short for QRP" - ETO Alpha

"DeciBels were invented to give QRPers a false sense of smugness" - NU0C
"QRO is a public service" - NU0C

Posted by: "Jim Shorney" <jshorney@...>

Yahoo Groups Links

43358. Re: [DrakeRadio] Mouser Electronics customer service

Yahoo group: DrakeRadio (2018)
Date: 2018-02-23 12:58:04 UTC
From: Stan McIntosh
Topic: 43355 Message: 43358

My first Mouser order was in the early '90s. I was just getting started and had purchased a HW-101 that needed a bit of work. A colleague suggested Mouser, and I fired off my order. A couple of hours later, Mouser called to let me know that they were sorry, but the order would have to go out in two separate shipments. A couple of items were delayed, and they should ship shortly after the first. Both packages arrived promptly, and just a couple of days after I placed my order.

73
Stan
KD4BTH

43359. Re: [DrakeRadio] Mouser Electronics customer service

Yahoo group: DrakeRadio (2018)
Date: 2018-02-23 14:28:28 UTC
From: Curt Nixon
Topic: 43355 Message: 43359

Yes...we do a LOT of business here in the shop with Mouser (like several thousand/mo).? Always quick and courteous service from them.? Generally next day arrivals also.?? Same solid service when I get stuff for home use as well..no difference.

Curt
KU8L

On 02/23/18 12:41 AM, 'Jim Shorney' jshorney@... [DrakeRadio] wrote:
>
>
> I'm not a big customer of Mouser, but I do typically make several
> small orders
> a year and have never had any problems until this week. I had ordered a
> whopping three capacitors to repair an HDTV power supply board. When
> the box
> (yes, a BOX for three small caps!) arrived today I found one of the
> ziploc bags
> that should have had a single cap in it was empty. The cap was not rolling
> around in the box and the box itself had not been compromised in any
> way. I
> suspect the cap fell out of the bag when it was being packed and is
> probably
> underneath someone's work table..
>
> Right away I went to the Mouser web site and submitted a problem
> ticket.Three
> hours later (6:57PM CT) I got an email from Claudia at Mouser
> apologising for
> the error and she wrote that a replacment would be shipped at no
> charge right
> away. Her email actually came in 45 seconds after a notification that
> the order
> had been submitted.
>
> I would call that good customer service!
>
> 73
>
> -Jim
> NU0C
>
> --
>

> "Life is too short for QRP" - ETO Alpha
>
> "DeciBels were invented to give QRPers a false sense of smugness" - NU0C
> "QRO is a public service" - NU0C
>
>

43360. Re: [DrakeRadio] Mouser Electronics customer service

Yahoo group: DrakeRadio (2018)
Date: 2018-02-23 16:21:25 UTC
From: Steve Toth
Topic: 43355 Message: 43360

I'm also a Mouser fan - I place several small (~$100 or less) orders a year. Always great service with quick delivery.
I don't know how they do it, but in these days of mediocre to poor service I'm glad someone is setting the bar for good service, even with small orders by individuals.
- Steve W7SJT"Always look for a positive solution then Improvise, Adapt, and Overcome"- adaptation of the U.S. Marine Corps motto
"Every day is an opportunity to challenge the achievement of your dreams"
"Success is not final, failure is not fatal. It is the courage to continue that counts."- Winston Churchill

From: "'Jim Shorney' jshorney@inebraska.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: "drakeradio@yahoogroups.com" <drakeradio@yahoogroups.com>
Sent: Thursday, February 22, 2018 9:42 PM
Subject: [DrakeRadio] Mouser Electronics customer service

I'm not a big customer of Mouser, but I do typically make several small orders a year and have never had any problems until this week. I had ordered a whopping three capacitors to repair an HDTV power supply board. When the box (yes, a BOX for three small caps!) arrived today I found one of the ziploc bags that should have had a single cap in it was empty. The cap was not rolling around in the box and the box itself had not been compromised in any way. I suspect the cap fell out of the bag when it was being packed and is probably underneath someone's work table..

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I would call that good customer service!

73

-Jim
NU0C

--

"Life is too short for QRP" - ETO Alpha

"DeciBels were invented to give QRPers a false sense of smugness" - NU0C
"QRO is a public service" - NU0C

Posted by: "Jim Shorney" <jshorney@inebraska.com>

Yahoo Groups Links

43361. Re: [DrakeRadio] Mouser Electronics customer service

Yahoo group: DrakeRadio (2018)
Date: 2018-02-23 17:47:13 UTC
From: Richard AG5M
Topic: 43355 Message: 43361

That comes as no surprise to me.? A few years back I was privileged to be the Faculty Representative for three years on what is now the Electronics Components Industry Association (ECIA) Foundation (https://www.ecianow.org/ecia-foundation/mission-charter/).? I got to know Glenn Smith and his wife personally? along with many of the industry's top people.? A nicer man you would never meet.? In my opinion, Mousers excellence for customer service comes directly from Glenn himself as President of the company. Having sat through many a Board meeting regarding counterfeit components I always, the best I can, buy from ECIA Authorized sources.? Richard AG5M

On 2/22/2018 9:41 PM, 'Jim Shorney' jshorney@... [DrakeRadio] wrote:

> I'm not a big customer of Mouser, but I do typically make several small orders a year and have never had any problems until this week. I had ordered a whopping three capacitors to repair an HDTV power supply board. When the box (yes, a BOX for three small caps!) arrived today I found one of the ziploc bags that should have had a single cap in it was empty. The cap was not rolling around in the box and the box itself had not been compromised in any way. I suspect the cap fell out of the bag when it was being packed and is probably underneath someone's work table..
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>
> I would call that good customer service!
>
> 73
>
> -Jim
> NU0C
>

43362. Re: [DrakeRadio] Mouser Electronics customer service

Yahoo group: DrakeRadio (2018)
Date: 2018-02-23 19:47:36 UTC
From: Curt Nixon
Topic: 43355 Message: 43362

McMaster-Carr is another one that is just plain blazing fast. Order by 3 and it is usually here next day.

KU8L

On 2/23/2018 11:21 AM, Steve Toth stoth47@... [DrakeRadio] wrote:

I'm also a Mouser fan - I place several small (~$100 or less) orders a year. Always great service with quick delivery.

I don't know how they do it, but in these days of mediocre to poor service I'm glad someone is setting the bar for good service, even with small orders by individuals.

- Steve W7SJT

"Always look for a positive solution then Improvise, Adapt, and Overcome"

- adaptation of the U.S. Marine Corps motto

"Every day is an opportunity to challenge the achievement of your dreams"

"Success is not final, failure is not fatal. It is the courage to continue that counts."

- Winston Churchill

From: "'Jim Shorney' jshorney@... [DrakeRadio]"
To: "drakeradio@yahoogroups.com"
Sent: Thursday, February 22, 2018 9:42 PM
Subject: [DrakeRadio] Mouser Electronics customer service

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a year and have never had any problems until this week. I had ordered a

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that should have had a single cap in it was empty. The cap was not rolling

around in the box and the box itself had not been compromised in any way. I

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-Jim

NU0C

--

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"DeciBels were invented to give QRPers a false sense of smugness" - NU0C

"QRO is a public service" - NU0C

Posted by: "Jim Shorney" <jshorney@...>

Yahoo Groups Links

<*> To visit your group on the web, go to:

http://groups.yahoo.com/group/DrakeRadio/

<*> Your email settings:

Individual Email | Traditional

<*> To change settings online go to:

http://groups.yahoo.com/group/DrakeRadio/join

(Yahoo! ID required)

<*> To change settings via email:

DrakeRadio-digest@yahoogroups.com

DrakeRadio-fullfeatured@yahoogroups.com

<*> To unsubscribe from this group, send an email to:

DrakeRadio-unsubscribe@yahoogroups.com

<*> Your use of Yahoo Groups is subject to:

https://info.yahoo.com/legal/us/yahoo/utos/terms/

(https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=icon)

Virus-free. www.avast.com (https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=link)

43363. Re: [DrakeRadio] Mouser Electronics customer service

Yahoo group: DrakeRadio (2018)
Date: 2018-02-23 19:53:06 UTC
From: Michael Cooley
Topic: 43355 Message: 43363

Mouser is a GREAT resource and while I don't buy a lot from them anymore, I continue to purchase lots of small things when needed. They're a wonderful resource!!
MikeW7KWQ

On Friday, February 23, 2018 9:53 AM, "Richard AG5M ag5m@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

That comes as no surprise to me.ï¿½ A few years back I was privileged to be the Faculty Representative for three years on what is now the Electronics Components Industry Association (ECIA) Foundation (https://www.ecianow.org/ecia-foundation/mission-charter/).ï¿½ I got to know Glenn Smith and his wife personallyï¿½ along with many of the industry's top people.ï¿½ A nicer man you would never meet.ï¿½ In my opinion, Mousers excellence for customer service comes directly from Glenn himself as President of the company.ï¿½ Having sat through many a Board meeting regarding counterfeit components I always, the best I can, buy from ECIA Authorized sources.ï¿½ Richard AG5M
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I would call that good customer service!

73

-Jim
NU0C

43364. Re: SK Estates

Yahoo group: DrakeRadio (2018)
Date: 2018-02-23 20:43:32 UTC
From: n4ykq@...
Topic: 43259 Message: 43364

This is a subject that hits close to home as my father, K3VYY, became an SK about two months ago leaving my mother, brother, and me (all hams) a large surplus of equipment. My mother has never been particularly active. My brother lives in an HOA community on the other side of the country, most of his operating is QRP portable. Of the three of us, I am probably the most knowledgeable about vintage equipment so I am now in the process of trying to decide what to keep and what to sell.

Definitely plan ahead.

73 de N4YKQ

43365. Need help identifying 2 switches

Yahoo group: DrakeRadio (2018)
Date: 2018-02-23 22:47:17 UTC
From: Kc9cdt@...
Topic: 43365 Message: 43365
Attachments: 2 described; binary payloads are missing from this source WARC

Hi all...I have some switches to sell..BUT first I need help idenifying them as its been a while since I bought them.
1 is P/N 3660255 marked S-1B...I think its for a R-4X rvcr.

The other is diffwerent...photos attached.
Thanks,
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43366. PARTING OUT TR-4C

Yahoo group: DrakeRadio (2018)
Date: 2018-02-24 14:50:25 UTC
From: wa2hso@...
Topic: 43366 Message: 43366

SOLD MY TR4C
PARTING OUT MY SPARE PARTS UNIT
knobs/ front panel (very clean)
final cage parts (no tubes)
shafts
boards
filters switches etc
not dis-assembled yet (will send pictures of item)
email your needs and fair price (include some for shipping)
(items under 15 ounces ship by first class mail) others i will quote by your zip
PAYPAL / USPS MONEY ORDER / cash at your risk)
JOHN
DUTTON46@HOTMAIL.COM
see me on e-bay electron46

43367. TR-7. ALC schematic?

Yahoo group: DrakeRadio (2018)
Date: 2018-02-24 17:17:18 UTC
From: Ray Collins
Topic: 43367 Message: 43367

```
blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid
!important; padding-left:1ex !important; background-color:white !important; }
I see the pictorial, the parts list, how to set it up, but no schematic in the on line
manual, or the hard copy I have. Or am I missing something?
Thnx
Ray
VE3BDK

Sent from Yahoo Mail for iPad
```

43368. Re: [DrakeRadio] TR-7. ALC schematic?

Yahoo group: DrakeRadio (2018)
Date: 2018-02-24 18:49:23 UTC
From: Joe Pyles
Topic: 43367 Message: 43368
Attachments: 1 described; binary payloads are missing from this source WARC

In the later TR7 service manual the ALC schematic
is at the bottom of the high pass filter module schematic, page 2-89.

[]

73, Joe Pyles KC9LAD

At 12:17 PM 2/24/2018, you wrote:
>
>
>
>I see the pictorial, the parts list, how to set
>it up, but no schematic in the on line manual,
>or the hard copy I have. Or am I missing something?
>
>Thnx
>
>Ray
>
>VE3BDK
>
><https://yho.com/footer0>Sent from Yahoo Mail for iPad
>

This email has been checked for viruses by AVG.
http://www.avg.com

43369. Re: [DrakeRadio] TR-7. ALC schematic?

Yahoo group: DrakeRadio (2018)
Date: 2018-02-24 18:49:50 UTC
From: Stan Gammons
Topic: 43367 Message: 43369

On 02/24/2018 11:17 AM, Ray Collins raycollins39@... [DrakeRadio]
wrote:
>
>
> I see the pictorial, the parts list, how to set it up, but no
> schematic in the on line manual, or the hard copy I have. Or am I
> missing something?
>
>
> Thnx
>
> Ray
>
> VE3BDK

It's on the page with the high pass filter schematic. Page 2-80 in the
service manual.

73

Stan
KM4HQE

43370. Re: [DrakeRadio] TR-7. ALC schematic?

Yahoo group: DrakeRadio (2018)
Date: 2018-02-24 18:52:27 UTC
From: Jim Shorney
Topic: 43367 Message: 43370

The ALC board is treated as part of the High Pass Filter module. You will find what you are looking for in section 2-13 of the service manual. The schematic is part of Fig. 2-28.

73

-Jim
NU0C

On Sat, 24 Feb 2018 17:17:18 +0000 (UTC), Ray Collins raycollins39@... [DrakeRadio] wrote:

>I see the pictorial, the parts list, how to set it up, but no schematic in the on line manual, or the hard copy I have. Or am I missing something?
>Thnx
>Ray
>VE3BDK
>
>Sent from Yahoo Mail for iPad
>

--
Ham Radio NU0C
Lincoln, Nebraska, U.S.S.A.
TR7/RV7/R7A/L7, TR6/RV6, T4XC/R4C/L4B, NCL2000, SB104A, R390A, GT550A/RV550A, HyGain 3750, IBM PS/2 - all vintage, all the time!

"Give a man a URL and he will learn for an hour. Teach him to Google and he will learn for a lifetime."

HyGain 3750 User's Group - http://groups.yahoo.com/group/HyGain_3750/
http://incolor.inetnebr.com/jshorney
http://www.nebraskaghosts.org

43371. Re: R-4A s-meter issue

Yahoo group: DrakeRadio (2018)
Date: 2018-02-24 20:17:58 UTC
From: hwfoglesong@...
Topic: 43188 Message: 43371

Found three bad (gassy?) tubes in the AVC circuit. Plenty of stable bias now!!

43372. L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-24 22:30:38 UTC
From: Brian Smith
Topic: 43372 Message: 43372

Forgive me because I know this is in the archives but I am unable to find the Drake group on my phone on yahoo.

Someone sells a replacement switch set for the On/off-CW/SSB switch. Maybe it’s a rebuild kit. Mine seems to have failed. I was using the amp and when I went to turn it off, the switch to put it into CW mode worked but the power switch would not turn it off. I had to kill the power to turn off my amp. I highly suspect the switch. Anyone with other thoughts? The amp worked like a charm while I was using it. Thanks

Brian Smith, k9bps

43373. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-24 22:33:39 UTC
From: amfone
Topic: 43372 Message: 43373

KE9PQ sell a kit to replace the switch.

On Saturday, February 24, 2018, 5:30:55 PM EST, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Forgive me because I know this is in the archives but I am unable to find the Drake group on my phone on yahoo.

Someone sells a replacement switch set for the On/off-CW/SSB switch. Maybe it’s a rebuild kit. Mine seems to have failed. I was using the amp and when I went to turn it off, the switch to put it into CW mode worked but the power switch would not turn it off. I had to kill the power to turn off my amp. I highly suspect the switch. Anyone with other thoughts? The amp worked like a charm while I was using it. Thanks

Brian Smith, k9bps

43374. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-24 22:35:48 UTC
From: MadScientist
Topic: 43372 Message: 43374

I have parts to repair these switches.

They are made by Mitchell.

You can send me your switch for repair.

Gary

W0DVN

> On Feb 24, 2018, at 4:30 PM, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Forgive me because I know this is in the archives but I am unable to find the Drake group on my phone on yahoo.
>
> Someone sells a replacement switch set for the On/off-CW/SSB switch. Maybe it’s a rebuild kit. Mine seems to have failed. I was using the amp and when I went to turn it off, the switch to put it into CW mode worked but the power switch would not turn it off. I had to kill the power to turn off my amp. I highly suspect the switch. Anyone with other thoughts? The amp worked like a charm while I was using it. Thanks
>
> Brian Smith, k9bps
>
>

43375. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-24 22:36:23 UTC
From: amfone
Topic: 43372 Message: 43375

Gary how Much?

On Saturday, February 24, 2018, 5:35:58 PM EST, MadScientist dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I have parts to repair these switches.

They are made by Mitchell.
You can send me your switch for repair.
Gary
W0DVN

On Feb 24, 2018, at 4:30 PM, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Forgive me because I know this is in the archives but I am unable to find the Drake group on my phone on yahoo.

Someone sells a replacement switch set for the On/off-CW/SSB switch. Maybe it’s a rebuild kit. Mine seems to have failed. I was using the amp and when I went to turn it off, the switch to put it into CW mode worked but the power switch would not turn it off. I had to kill the power to turn off my amp. I highly suspect the switch. Anyone with other thoughts? The amp worked like a charm while I was using it. Thanks

Brian Smith, k9bps

43376. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-24 23:02:04 UTC
From: amfone
Topic: 43372 Message: 43376

Not bad at all really!

On Saturday, February 24, 2018, 5:58:57 PM EST, MadScientist <dukeshifi@...> wrote:

$25 if I can do it, no charge if I cannot.
Gary

On Feb 24, 2018, at 4:36 PM, amfone <amfone20000@...> wrote:
Gary how Much?

On Saturday, February 24, 2018, 5:35:58 PM EST, MadScientist dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I have parts to repair these switches.

They are made by Mitchell.
You can send me your switch for repair.
Gary
W0DVN

On Feb 24, 2018, at 4:30 PM, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Forgive me because I know this is in the archives but I am unable to find the Drake group on my phone on yahoo.

Someone sells a replacement switch set for the On/off-CW/SSB switch. Maybe it’s a rebuild kit. Mine seems to have failed. I was using the amp and when I went to turn it off, the switch to put it into CW mode worked but the power switch would not turn it off. I had to kill the power to turn off my amp. I highly suspect the switch. Anyone with other thoughts? The amp worked like a charm while I was using it. Thanks

Brian Smith, k9bps

43377. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-24 23:13:09 UTC
From: Brian Smith
Topic: 43372 Message: 43377

Gary, what's the turn around time? I'd planned on using it for the WI QSO party on March 11. I'll wait to send it til after that if I need to. Not trying to rush you. Maybe I can pull it out on Monday.

Brian Smith

> On Feb 24, 2018, at 5:02 PM, amfone amfone20000@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Not bad at all really!
>
>
>
> On Saturday, February 24, 2018, 5:58:57 PM EST, MadScientist <dukeshifi@...> wrote:
>
>
> $25 if I can do it, no charge if I cannot.
>
> Gary
>
>> On Feb 24, 2018, at 4:36 PM, amfone <amfone20000@yahoo.com> wrote:
>>
>> Gary how Much?
>>
>>
>> On Saturday, February 24, 2018, 5:35:58 PM EST, MadScientist dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>> I have parts to repair these switches.
>>
>>
>> They are made by Mitchell.
>>
>> You can send me your switch for repair.
>>
>> Gary
>>
>> W0DVN
>>
>>
>>
>>> On Feb 24, 2018, at 4:30 PM, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>>

>>> Forgive me because I know this is in the archives but I am unable to find the Drake group on my phone on yahoo.
>>>
>>> Someone sells a replacement switch set for the On/off-CW/SSB switch. Maybe it’s a rebuild kit. Mine seems to have failed. I was using the amp and when I went to turn it off, the switch to put it into CW mode worked but the power switch would not turn it off. I had to kill the power to turn off my amp. I highly suspect the switch. Anyone with other thoughts? The amp worked like a charm while I was using it. Thanks
>>>
>>> Brian Smith, k9bps
>>>
>>
>
>

43378. T4xb Function switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 00:40:24 UTC
From: johng101501@...
Topic: 43378 Message: 43378

Does anybody have one kicking around ? Id like to purchase one to repair mine, Thanks John

43379. Tr7. 10T

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 14:06:28 UTC
From: Ray Collins
Topic: 43379 Message: 43379

blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid !important; padding-left:1ex !important; background-color:white !important; }
Looks like the 10T is acting up. In transmit less than 1.5 volts on the ALC I.C. Assuming a bypass capacitor may have taken out transistors in the transmit exciter board. Or something is pulling the voltage down. What is the 10T bus attached to? Exciter board and the ALC board and what else? Thought I'd change all the 10T caps.
73's
Ray VE3BDK

Sent from Yahoo Mail for iPad

43380. Re: PARTING OUT TR-4C

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 14:18:15 UTC
From: ve3fwf@...
Topic: 43366 Message: 43380

I need a LSB filter. Please contact me off list for details.

Thank you

43381. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 14:48:58 UTC
From: William Shadid
Topic: 43372 Message: 43381

Brian,

Try Nationwide Radio in Wisconsin. URL is
http://nationwide-radio--amp-amp-amp--eq-sales-llc.mybigcommerce.com/
(Or, simply use the shorter version of www.KE9PQ.com

Mark Olson, KE9PQ, there is a great supporter of all things vintage! I
have purchased rebuild kits for those switches from him in support of my
Drake L7 and my L-4B.

73,

-Bill, W9MXQ

On 2/24/2018 4:30 PM, Brian Smith k9bps@... [DrakeRadio] wrote:
>
> Forgive me because I know this is in the archives but I am unable to
> find the Drake group on my phone on yahoo.
>
> Someone sells a replacement switch set for the On/off-CW/SSB switch.
> Maybe it’s a rebuild kit. Mine seems to have failed. I was using the
> amp and when I went to turn it off, the switch to put it into CW mode
> worked but the power switch would not turn it off. I had to kill the
> power to turn off my amp. I highly suspect the switch. Anyone with
> other thoughts? The amp worked like a charm while I was using it. Thanks
>
> Brian Smith, k9bps
>
>

43382. RE: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 15:46:39 UTC
From: Joe
Topic: 43372 Message: 43382

I sent Brian that info yesterday via private mail, never heard back from him.

Joe - W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] L4B power switch

Brian,

Try Nationwide Radio in Wisconsin. URL is http://nationwide-radio--amp-amp-amp--eq-sales-llc.mybigcommerce.com/ (Or, simply use the shorter version of www.KE9PQ.com

Mark Olson, KE9PQ, there is a great supporter of all things vintage! I have purchased rebuild kits for those switches from him in support of my Drake L7 and my L-4B.

73,

-Bill, W9MXQ

On 2/24/2018 4:30 PM, Brian Smith k9bps@... [DrakeRadio] wrote:

Forgive me because I know this is in the archives but I am unable to find the Drake group on my phone on yahoo.

Someone sells a replacement switch set for the On/off-CW/SSB switch. Maybe it’s a rebuild kit. Mine seems to have failed. I was using the amp and when I went to turn it off, the switch to put it into CW mode worked but the power switch would not turn it off. I had to kill the power to turn off my amp. I highly suspect the switch. Anyone with other thoughts? The amp worked like a charm while I was using it. Thanks

Brian Smith, k9bps

43383. Re: [DrakeRadio] Re: PARTING OUT TR-4C

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 15:49:02 UTC
From: Mark Alexander
Topic: 43366 Message: 43383

Hi Do you still have the meter, I am interested for my TR-4.It is real bouncy and it seems that a replacement is the only answer ThanksMark
On Sunday, February 25, 2018, 8:18:39 AM CST, ve3fwf@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I need a LSB filter. Please contact me off list for details.

Thank you

43384. Wanted Drake RV7

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 15:52:36 UTC
From: <todd@...>
Topic: 43384 Message: 43384

I am looking for a Drake RV7 remote VFO for one of my TR7's. My email is todd@... -?
Thanks, Todd K1TOD

43385. L-4B AGC not working...

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 15:59:20 UTC
From: Kc9cdt@...
Topic: 43385 Message: 43385

Hi everyone,
Well, I got a TR-4 recently and have found out the Amp agc IS NOT WORKING
It seems to put out a very high voltage..I saw 38 volts. Also seems the pot does not change it much.

When I rebuilt the power supply a few years ago I did install a much larger wattage resistor in R11, the 5k 7W...I think I put in a 20 watt...but have not opened it up yet to check it.

Based on all yout experience...what do you think has happened??
Thanks,
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43386. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 16:00:40 UTC
From: Brian Smith
Topic: 43372 Message: 43386

Sorry joe, must have gone to my spam. I'll check

Brian Smith

> On Feb 25, 2018, at 9:46 AM, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I sent Brian that info yesterday via private mail, never heard back from him.
>
>
>
> Joe - W7RKN
>
>
>
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Subject: Re: [DrakeRadio] L4B power switch
>
>
>
> Brian,
>
> Try Nationwide Radio in Wisconsin. URL is http://nationwide-radio--amp-amp-amp--eq-sales-llc.mybigcommerce.com/ (Or, simply use the shorter version of www.KE9PQ.com
>
> Mark Olson, KE9PQ, there is a great supporter of all things vintage! I have purchased rebuild kits for those switches from him in support of my Drake L7 and my L-4B.
>
> 73,
>
> -Bill, W9MXQ
>
>
>
> On 2/24/2018 4:30 PM, Brian Smith k9bps@... [DrakeRadio] wrote:
>
>
>
> Forgive me because I know this is in the archives but I am unable to find the Drake group on my phone on yahoo.
>
> Someone sells a replacement switch set for the On/off-CW/SSB switch. Maybe it's a rebuild kit. Mine seems to have failed. I was using the amp and when I went to turn it off, the switch to put it into CW mode worked but the power switch would not turn it off. I had to

kill the power to turn off my amp. I highly suspect the switch. Anyone with other thoughts? The amp worked like a charm while I was using it. Thanks
>
> Brian Smith, k9bps
>
>
>
>
>
>
>
>

43387. DAMN!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 16:01:32 UTC
From: Joe
Topic: 43387 Message: 43387

My L7 just blew up! Scared the Bee-Jeesus outa me. I swear, the whole house shook! Wife running down from upstairs wondering what happened.

Could answer her as I couldn’t hear what she was saying!

Was only pushing the amp with 30 watts of exciter power…

It’s not the power supply, no smell from it, the ‘smoke’ was all from the amp.

Lessee..

First. Open up the RF box and see what blew

Second. Test the power supply for correct voltages.

Well DAMN!! It was working so well too!

Oh well….

Just what I wanted to do today, tear into the amplifier. L

Joe – W7RKN

43388. Re: [DrakeRadio] DAMN!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 16:18:24 UTC
From: MadScientist
Topic: 43387 Message: 43388

The most likely parts to have done this are the output HV blocking capacitor and the plate bypass capacitor at the base of the plate RF choke.

If the blocking capacitor blew up, be VERY certain to check the RF choke that is on the output of the pi network to ground. The purpose of this choke is to prevent presence of the 3KV DC potential on the antenna output.

This is a very important safety device.

Gary

> On Feb 25, 2018, at 10:01 AM, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> My L7 just blew up! Scared the Bee-Jeesus outa me. I swear, the whole house shook! Wife running down from upstairs wondering what happened.
>
>
>
> Could answer her as I couldn’t hear what she was saying!
>
>
>
> Was only pushing the amp with 30 watts of exciter power…
>
>
>
> It’s not the power supply, no smell from it, the ‘smoke’ was all from the amp.
>
>
>
> Lessee..
>
>
>
> First. Open up the RF box and see what blew
>
> Second. Test the power supply for correct voltages.
>
>
>
> Well DAMN!! It was working so well too!
>
>
>

> Oh well….
>
>
>
> Just what I wanted to do today, tear into the amplifier. L
>
>
>
> Joe – W7RKN
>
>
>

43389. Re: [DrakeRadio] Re: PARTING OUT TR-4C

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 16:19:32 UTC
From: MadScientist
Topic: 43366 Message: 43389

I have the entire meter assembly, if you are interested.

Gary

> On Feb 25, 2018, at 9:49 AM, Mark Alexander n9ppw@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
>
> Hi
> Do you still have the meter, I am interested for my TR-4.
> It is real bouncy and it seems that a replacement is the only answer
> Thanks
> Mark
>
> On Sunday, February 25, 2018, 8:18:39 AM CST, ve3fwf@... <mailto:ve3fwf@...>
[DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>
>
> I need a LSB filter. Please contact me off list for details.
>
>
> Thank you
>
>

43390. Re: [DrakeRadio] Re: PARTING OUT TR-4C

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 16:49:25 UTC
From: Mark Alexander
Topic: 43366 Message: 43390

Yes I am, what are you asking for it and do you take PayPalMark
On Sunday, February 25, 2018, 10:19:48 AM CST, MadScientist dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I have the entire meter assembly, if you are interested.

Gary

On Feb 25, 2018, at 9:49 AM, Mark Alexander n9ppw@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Hi Do you still have the meter, I am interested for my TR-4.It is real bouncy and it seems that a replacement is the only answer ThanksMark
On Sunday, February 25, 2018, 8:18:39 AM CST, ve3fwf@rogers.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I need a LSB filter. Please contact me off list for details.

Thank you

43391. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 17:31:07 UTC
From: armando martins
Topic: 42927 Message: 43391

Does anyone on the group knows what was wrong
with Garey????? What was is main problems. I am
ware that he was hospitalized before, but he did come
out of hospital
Many thanks
M0PAM

On Thu, 22/2/18, Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Subject: Re: [DrakeRadio] Garey's Obituary
To: DrakeRadio@yahoogroups.com, "Stan Gammons" <s_gammons@...>
Cc: "Paul Morgan" <pwmorganjr48@...>
Date: Thursday, 22 February, 2018, 2:29

Thanks for that. I always wonder what folks look
like that I've emailed with but never met.

Thanks,

Barry - N4BUQ

----- Original Message -----

> From: "Stan Gammons s_gammons@...
[DrakeRadio]" <DrakeRadio@yahoogroups.com>

> To: DrakeRadio@yahoogroups.com, "Paul Morgan"
<pwmorganjr48@yahoo.com>

> Sent: Wednesday, February 21, 2018 8:08:26 PM

> Subject: Re: [DrakeRadio] Garey's Obituary

>

> Here is another link that has a picture. I never met
Garey, but assume

> this is a picture of him.

>

>
http://www.hendersonandsons.com/sitemaker/sites/HENDER3/obit.cgi?user=80860952_GBarrell

>

>

> Stan

> KM4HQE

>

>

> On 02/21/2018 04:05 PM, Paul Morgan
pwmorganjr48@... [DrakeRadio]

> wrote:

> > Garey Klee Barrell

> >
<http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/arti
cle_66552a14-1746-11e8-ada8-b3551513f665.html>

> >

> >

> >

> >

> >

> >

> >

> > Garey Klee Barrell

> >

> > Mr. Garey Klee Barrell, age 75, of Rome, passed
away on Sunday,

> > February 18, 2018, in a local hospital.

> >

> >

> >
<http://www.northwestgeorgianews.com/rome/news/obits_death_notices/garey-klee-barrell/arti
cle_66552a14-1746-11e8-ada8-b3551513f665.html>

> >

> >

> > 73's and God's Blessings to Garey.

> >

> > Paul Morgan - WA4HGT

> >

> >

> >

> >

> >

> > Reply via web post

> >
<https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/messages/43072;_ylc=X3oDMTJycTVnOGxmBF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRzZWMDZnRyBHNsawNycGx5BHN0aW1lAzE1MTg1NDYwOTY-?act=reply&messageNum=43072&soc_src=mail&soc_trk=ma>

> > • Reply to sender

> >
<mailto:dukeshifi@...?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20substitutions>

> > • Reply to group

> >
<mailto:DrakeRadio@yahoogroups.com?subject=Re%3A%20%5BDrakeRadio%5D%20Sweep%20tube%20substitutions>

> > • Start a New Topic

> >
<https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/newtopic;_ylc=X3oDMTJmZnRlZzY2BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzE1MTg1NDYwOTY-?soc_src=mail&soc_trk=ma>

> > • Messages in this topic

> >
<https://groups.yahoo.com/neo/groups/DrakeRadio/conversations/topics/42927;_ylc=X3oDMTM3Z2pjaTR0BF9TAzk3MzU5NzE0BGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAM0MzA3MgRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzE1MTg1NDYwOTYEdHBjSWQDNDI5Mjc-?soc_src=mail&soc_trk=ma>

> > (14)

> >

> >

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> >

> > Yahoo! Groups

> >
<https://groups.yahoo.com/neo;_ylc=X3oDMTJlNWplN2VxBF9TAzk3NDc2NTkwBGdycElkAzE3OTg5NzkwBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTUxODU0NjA5Ng--?soc_src=mail&soc_trk=ma>

> >

> > • Privacy

> >
<https://info.yahoo.com/privacy/us/yahoo/groups/details.html?soc_src=mail&soc_trk=ma>

> > • Unsubscribe

> >
<mailto:DrakeRadio-unsubscribe@yahoogroups.com?subject=Unsubscribe>
•

> > Terms of Use

> >
<https://info.yahoo.com/legal/us/yahoo/utos/terms/?soc_src=mail&soc_trk=ma>

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43392. Drake R-4C AM IF crystal filters FS

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 17:37:39 UTC
From: Kc9cdt@...
Topic: 43392 Message: 43392

I have 3 R-4C AM filters FS....All are NOS as far as I can tell.
5645KC, 8KC wide, Model 5045 from Piezo Technology...P/N 314-0140

$60 each shipped Cont US.

Thanks,
Lee, KC9CDT

Lee Simmonds
Summit DCS

260-403-6936 Cell

43393. Drake R-4C 1.5 KC IF crystal filter FS

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 17:40:51 UTC
From: Kc9cdt@...
Topic: 43393 Message: 43393

I have a Drake 1.5KC R-4C IF filter FS.
Drake P/N 236...
5695-1.5KC-FL-1500

$60 shipped Cont US only.
Thanks,
Lee, KC9CDT

Lee Simmonds
Summit DCS

260-403-6936 Cell

43394. Drake R-4C 2.4 KC crystal filter

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 17:42:37 UTC
From: Kc9cdt@...
Topic: 43394 Message: 43394

R-4C filter FS.
Model 5049
2.4KC - 5695MHZ

$40 shipped Cont US only
Thanks,
Lee, KC9CDT

Lee Simmonds
Summit DCS

260-403-6936 Cell

43395. Re: [DrakeRadio] Tr7. 10T

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 17:50:42 UTC
From: Jim Shorney
Topic: 43379 Message: 43395

It's probably easier to tell you where the +10T does NOT go. Not to the Digital Control board, VCO board, Translator board, Power Supply board, AUX-7 (unless you are using Fixed ctystal controlled transmit), DR-7, or PA module.

The T/R switching transistors are the three-legged fuses on the TR-7. They will pop from even an instantaneous short to ground of the T or R line. But you could also have dirty/oxidized Molex connectors. Try re-seating the TX Exciter board first.

73

-Jim
NU0C

On Sun, 25 Feb 2018 14:06:28 +0000 (UTC), Ray Collins raycollins39@... [DrakeRadio] wrote:

>Looks like the 10T is acting up. In transmit less than 1.5 volts on the ALC I.C.Assuming a bypass capacitor may have taken out transistors in the transmit exciter board. Or something is pulling the voltage down. What is the 10T bus attached to? Exciter board and the ALC board and what else? Thought I'd change all the 10T caps.
>73's
>Ray VE3BDK

--
?There?s something out of place ? let?s go and poke it with a stick.? ? The Doctor, "Amy?s Choice"

43396. Re: [DrakeRadio] Re: PARTING OUT TR-4C

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 18:01:04 UTC
From: MadScientist
Topic: 43366 Message: 43396

$28 shipped for the entire assembly.

PP OK, no fees!

dukeshifi@...t

> On Feb 25, 2018, at 10:49 AM, Mark Alexander n9ppw@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
>
> Yes I am, what are you asking for it and do you take PayPal
> Mark
>
> On Sunday, February 25, 2018, 10:19:48 AM CST, MadScientist dukeshifi@...
<mailto:dukeshifi@comcast.net> [DrakeRadio] <DrakeRadio@yahoogroups.com
<mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>
>
> I have the entire meter assembly, if you are interested.
>
>
> Gary
>
>> On Feb 25, 2018, at 9:49 AM, Mark Alexander n9ppw@... <mailto:n9ppw@...> [DrakeRadio]
<DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>>
>> Hi
>> Do you still have the meter, I am interested for my TR-4.
>> It is real bouncy and it seems that a replacement is the only answer
>> Thanks
>> Mark
>>
>> On Sunday, February 25, 2018, 8:18:39 AM CST, ve3fwf@... <mailto:ve3fwf@...>
[DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>>
>>
>> I need a LSB filter. Please contact me off list for details.
>>
>>
>> Thank you
>>
>
>

>

43397. Re: [DrakeRadio] DAMN!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 18:02:19 UTC
From: Evan
Topic: 43387 Message: 43397

Joe,

Several things could have caused the issue that you had mentioned. Hopefully a visual inspection might provide some diagnostics. If it were me, I would check the following, not in any particular order...

Grid grounding chokes.
Plate to grid short.
Grid to filament short.
Bifilliar filament choke bypass capacitors.
Antenna RF choke to ground (by plate loading capacitor?).
RF choke bypass capacitor(s) including the one mounted to the vertical RF choke.
RF choke in plate circuit (vertical one and horizontal one).
Plate blocking capacitor.
Ceramic bypass capacitor by HV connector.
0.82 ohm safety resistor in the power supply.
Cooling fan (for proper operation).

There might be other causes but the above are the ones I've encountered in servicing L4, L4B, and L7 linears. I'm sure there could be other causes and I'm curious to hear what the experts say so we all can learn from this.

Please keep us informed as to your progress.

73,

Evan, K9SQG

-----Original Message-----
From: Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; todd <todd@...>
Sent: Sun, Feb 25, 2018 11:06 am
Subject: [DrakeRadio] DAMN!!!

My L7 just blew up! Scared the Bee-Jeesus outa me. I swear, the whole house shook! Wife running down from upstairs wondering what happened.

Could answer her as I couldn’t hear what she was saying!

Was only pushing the amp with 30 watts of exciter power…

It’s not the power supply, no smell from it, the ‘smoke’ was all from the amp.

Lessee..

First. Open up the RF box and see what blew
Second. Test the power supply for correct voltages.

Well DAMN!! It was working so well too!

Oh well….

Just what I wanted to do today, tear into the amplifier. L

Joe – W7RKN

43398. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 19:04:07 UTC
From: kl0s@...
Topic: 43372 Message: 43398

You MAY be able to revive that switch, I've done it. If you remove the switch and carefully disassemble it you'll probably find all sorts of gunk inside. Clean it up and reassemble then give it a try...worked for me. That may or may not be the long term solution but at least it gets you back on the air properly. Good luck! 73 - Dino KL0S

43399. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 19:06:44 UTC
From: Brian Smith
Topic: 43372 Message: 43399

Thanks! I may try that the next week or so. I could feel it click when I switched it. Worst thing is I have to replace it anyway.

Brian Smith

> On Feb 25, 2018, at 1:04 PM, kl0s@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> You MAY be able to revive that switch, I've done it. If you remove the switch and carefully disassemble it you'll probably find all sorts of gunk inside. Clean it up and reassemble then give it a try...worked for me. That may or may not be the long term solution but at least it gets you back on the air properly. Good luck! 73 - Dino KL0S
>
>

43400. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 19:12:19 UTC
From: Jim Shorney
Topic: 43372 Message: 43400

Don't forget to re-lube the pivot points.

73

-Jim
NU0C

On Sun, 25 Feb 2018 13:06:44 -0600, Brian Smith k9bps@... [DrakeRadio]
wrote:

>Thanks! I may try that the next week or so. I could feel it click when I switched it. Worst thing is I have to replace it anyway.
>
>Brian Smith
>
>> On Feb 25, 2018, at 1:04 PM, kl0s@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>> You MAY be able to revive that switch, I've done it. If you remove the switch and carefully disassemble it you'll probably find all sorts of gunk inside. Clean it up and reassemble then give it a try...worked for me. That may or may not be the long term solution but at least it gets you back on the air properly. Good luck! 73 - Dino KL0S
>>
>>
>

--
?There?s something out of place ? let?s go and poke it with a stick.? ? The Doctor, "Amy?s Choice"

43401. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 19:22:55 UTC
From: Evan
Topic: 43372 Message: 43401

As a side note, I've rebuilt a few of these switches using the rebuild kits. I've found that after reassembly, the tabs that hold the plastic case to the metal frame didn't seem to have enough grab. Just to play safe, I tightened the tabs as best I could, put a couple of Panduit cable ties to hold things together, and then applied some epoxy glue just to be sure.

73,

Evan, K9SQG

43402. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 19:23:53 UTC
From: Brian Smith
Topic: 43372 Message: 43402

What is the best lube to use on the pivot points? What about on the blower in the rear? Might as well do it when I’ve got it disassembled

Brian Smith

> On Feb 25, 2018, at 1:12 PM, 'Jim Shorney' jshorney@inebraska.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Don't forget to re-lube the pivot points.
>
> 73
>
> -Jim
> NU0C
>
>
> On Sun, 25 Feb 2018 13:06:44 -0600, Brian Smith k9bps@... [DrakeRadio]
> wrote:
>
>> Thanks! I may try that the next week or so. I could feel it click when I switched it. Worst thing is I have to replace it anyway.
>>
>> Brian Smith
>>
>>> On Feb 25, 2018, at 1:04 PM, kl0s@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>>
>>> You MAY be able to revive that switch, I've done it. If you remove the switch and carefully disassemble it you'll probably find all sorts of gunk inside. Clean it up and reassemble then give it a try...worked for me. That may or may not be the long term solution but at least it gets you back on the air properly. Good luck! 73 - Dino KL0S
>>>
>>>
>>
>
> --
> “There’s something out of place – let’s go and poke it with a stick..” – The Doctor, "Amy’s Choice"
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> Yahoo Groups Links
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43403. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 19:26:59 UTC
From: Brian Smith
Topic: 43372 Message: 43403

Ok. I’m sure I’ve got some epoxy laying around

Brian Smith

> On Feb 25, 2018, at 1:22 PM, Evan k9sqg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> As a side note, I've rebuilt a few of these switches using the rebuild kits. I've found that after reassembly, the tabs that hold the plastic case to the metal frame didn't seem to have enough grab. Just to play safe, I tightened the tabs as best I could, put a couple of Panduit cable ties to hold things together, and then applied some epoxy glue just to be sure.
>
>
> 73,
>
> Evan, K9SQG
>
>

43404. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 19:28:42 UTC
From: Evan
Topic: 43372 Message: 43404

Brian,

I tend to like high temperature silicon based lubricants.

As to the blower, I use a light, non-detergent, oil specifically designed for small motors, a particular style that has a long, extendable spout. I put rags or paper towels under the blower area under the chassis, and then lube the front and rear cups up to the top. I wait 24-48 hours, run the blower by itself occasionally, and then check for leaks/overfill. To save time, maybe 5-6 drops in each cup would suffice.

73,

Evan, K9SQG

-----Original Message-----
From: Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Jim Shorney <jshorney@...>
Sent: Sun, Feb 25, 2018 2:24 pm
Subject: Re: [DrakeRadio] L4B power switch

What is the best lube to use on the pivot points? What about on the blower in the rear? Might as well do it when I’ve got it disassembled

Brian Smith

43405. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 19:35:25 UTC
From: Richard Knoppow
Topic: 42927 Message: 43405

I have been looking for an e-mail Garey sent me some time ago
in which he detailed what happened to him. I can't find it yet
but never delete mail on these lists so I will keep looking. He
had a problem requiring kidney dialysis but something else
happened that made it much worse. I am not sure I trust my memory
about this and don't want to guess.

On 2/25/2018 9:31 AM, armando martins
martins.m0pam@... [DrakeRadio] wrote:
> Does anyone on the group knows what was wrong
> with Garey????? What was is main problems. I am
> ware that he was hospitalized before, but he did come
> out of hospital
> Many thanks
> M0PAM

--
Richard Knoppow
1oldlens1@...
WB6KBL

43406. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 20:01:18 UTC
From: Jim Shorney
Topic: 43372 Message: 43406

My grease of choice for lots of stuff is Tri-Flow PTFE based "clear synthetic" bicycle grease. There are lots of other lubricants that would work fine, I'm sure others will chime in with their favorites. Can't beat Evan's advice on the oil though. :D

73

-Jim
NU0C

On Sun, 25 Feb 2018 14:28:42 -0500, Evan k9sqg@... [DrakeRadio] wrote:

>Brian,
>
>
>I tend to like high temperature silicon based lubricants.
>
>
>As to the blower, I use a light, non-detergent, oil specifically designed for small motors, a particular style that has a long, extendable spout. I put rags or paper towels under the blower area under the chassis, and then lube the front and rear cups up to the top. I wait 24-48 hours, run the blower by itself occasionally, and then check for leaks/overfill. To save time, maybe 5-6 drops in each cup would suffice.
>
>
>73,
>
>
>Evan, K9SQG
>
>
>
>-----Original Message-----
>From: Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
>To: DrakeRadio <DrakeRadio@yahoogroups.com>; Jim Shorney <jshorney@inebraska.com>
>Sent: Sun, Feb 25, 2018 2:24 pm
>Subject: Re: [DrakeRadio] L4B power switch
>
>
>
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>
>
>
>What is the best lube to use on the pivot points? What about on the blower in the rear? Might as well do it when IG??ve got it disassembled
>

>Brian Smith
>
>
>
>
>
>
>
>
>

--
The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris, "The Doctor's Wife"

43407. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 22:19:58 UTC
From: vacuuminded2
Topic: 42927 Message: 43407

This are the turn of events as of March 31, 2017:

"I broke my leg in April, went into the hospital, fixed the leg, went through rehab, and went home. Getting around ok with a walker in the house, (wheelchair won't fit through any of the doors!,) and after a little home health rehab to finish up, was 'ok'. Then one day I got overconfident and tried to get up to my walker from my rolling desk chair. Of course 'this time' I only got about halfway up and tried to sit back down. Bumped the chair which shot across the room, and sat on the floor hard! Messed up L3 in my spine..... Developed an infection, did an eight week course of antibiotics. After over a month in bed, so back to rehab. Actually stood up the other day, for a whole minute, for the first time in three months. Muscles are jelly.
So I'm stuck in this hospital bed, using an iPad (!), and fighting to get back on my feet, hopefully....."
Perhaps someone else knows what happened from then on, but here's how it started, apparently in April, 2016.
There are simply no words. :(
Regards, Chris kc9ieq

Sent from my SMRTphone
-------- Original message --------From: "Richard Knoppow 1oldlens1@ix.netcom.com [DrakeRadio]" <DrakeRadio@yahoogroups.com> Date: 2/25/18 1:35 PM (GMT-06:00) To: DrakeRadio@yahoogroups.com, armando martins <martins.m0pam@btinternet.com>, Barry <n4buq@knology.net> Subject: Re: [DrakeRadio] Garey's Obituary
    I have been looking for an e-mail Garey sent me some time ago
in which he detailed what happened to him. I can't find it yet
but never delete mail on these lists so I will keep looking. He
had a problem requiring kidney dialysis but something else
happened that made it much worse. I am not sure I trust my memory
about this and don't want to guess.

On 2/25/2018 9:31 AM, armando martins
martins.m0pam@btinternet.com [DrakeRadio] wrote:
> Does anyone on the group knows what was wrong
> with Garey????? What was is main problems. I am
> ware that he was hospitalized before, but he did come
> out of hospital
> Many thanks
> M0PAM

--
Richard Knoppow
1oldlens1@ix.netcom.com
WB6KBL

Yahoo Groups Links

43408. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-25 22:37:16 UTC
From: Stan Gammons
Topic: 42927 Message: 43408

This is an email in the archive from Garey dated Jun 22, 2017. It was a thread called Yuk! I don't recall any later emails about Garey's health. But, my memory isn't as good as it used to be.

Guys -

Sorry for the disappearing act. I've been kinda busy.... :-)

In the last month, I've had surgery for inflamed Gall Bladder (out), a small heart attack, a cardiac cath to stent a 99% blockage, and a surgery to replace a defective lead in my heart for my ICD (pacemaker/defibrillator). All worked in between my dialysis treatment, (four hours every Tuesday, Thursday & Saturday)....

Doesn't leave a lot of time for DrakeRadio! Or energy....

Just to add insult to injury, I'm limited to this stupid iPad, typing with one finger. :-)

Thank you all for your concern, and sorry I couldn't respond sooner.

73

Stan
KM4HQE

On 02/25/2018 04:19 PM, vacuuminded2 vacuuminded2@... [DrakeRadio] wrote:
> This are the turn of events as of March 31, 2017:
>
>
> "I broke my leg in April, went into the hospital, fixed the leg, went
> through rehab, and went home. Getting around ok with a walker in the
> house, (wheelchair won't fit through any of the doors!,) and after a
> little home health rehab to finish up, was 'ok'. Then one day I got
> overconfident and tried to get up to my walker from my rolling desk
> chair. Of course 'this time' I only got about halfway up and tried to
> sit back down. Bumped the chair which shot across the room, and sat
> on the floor hard! Messed up L3 in my spine..... Developed an
> infection, did an eight week course of antibiotics. After over a month
> in bed, so back to rehab. Actually stood up the other day, for a
> whole minute, for the first time in three months. Muscles are jelly.
>
> So I'm stuck in this hospital bed, using an iPad (!), and fighting to
> get back on my feet, hopefully....."
>
> Perhaps someone else knows what happened from then on, but here's how

> it started, apparently in April, 2016.
>
> There are simply no words. :(
>
> Regards,
> Chris kc9ieq
>
>
> Sent from my SMRTphone
>
> -------- Original message --------
> From: "Richard Knoppow 1oldlens1@... [DrakeRadio]"
> <DrakeRadio@yahoogroups.com>
> Date: 2/25/18 1:35 PM (GMT-06:00)
> To: DrakeRadio@yahoogroups.com, armando martins
> <martins.m0pam@...>, Barry <n4buq@...>
> Subject: Re: [DrakeRadio] Garey's Obituary
>
>   I have been looking for an e-mail Garey sent me some time ago
> in which he detailed what happened to him. I can't find it yet
> but never delete mail on these lists so I will keep looking. He
> had a problem requiring kidney dialysis but something else
> happened that made it much worse. I am not sure I trust my memory
> about this and don't want to guess.
>
> On 2/25/2018 9:31 AM, armando martins
> martins.m0pam@... [DrakeRadio] wrote:
> > Does anyone on the group knows what was wrong
> > with Garey????? What was is main problems. I am
> > ware that he was hospitalized before, but he did come
> > out of hospital
> > Many thanks
> > M0PAM
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>
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> Yahoo Groups Links
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43409. t4x power out alignment questions

Yahoo group: DrakeRadio (2018)
Date: 2018-02-26 00:20:51 UTC
From: johng101501@...
Topic: 43409 Message: 43409

How Much should I have on 10 meters-- It looks like Ive got about 75 watts out - ive got all the other bands over 100 watts like 135 on 40 125 on 80 120 on 20 120 on 15 10 meters peaks with more difficulty and the rf tune does not like to be where it says in the manual as far as the slug above the coil form. also the carrier balance adjustment per the book doesn't seem to do anything. so i put it back where it was. neutralization is good on all bands. tubes and driver are new.

43410. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-26 00:36:38 UTC
From: Jeffrey Angus
Topic: 42927 Message: 43410

In short, Garey reached the end of his "service life" when the MTBF reached zero.

Rest well Garey, you will be missed.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43411. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-02-26 06:04:25 UTC
From: Richard Knoppow
Topic: 42927 Message: 43411

Thank you Chris, this is about what I remembered but I think
he may have sent me more detail, at least about how much time he
spent in dialysis. Falling at our age and broken bones is not
trivial.

On 2/25/2018 2:19 PM, vacuuminded2 wrote:
> This are the turn of events as of March 31, 2017:
>
>
> "I broke my leg in April, went into the hospital, fixed the leg,
> went through rehab, and went home. ? Getting around ok with a
> walker in the house, (wheelchair won't fit through any of the
> doors!,) and after a little home health rehab to finish up, was
> 'ok'. ? ?Then one day I got overconfident and tried to get up to
> my walker from my rolling desk chair. ?Of course 'this time' I
> only got about halfway up and tried to sit back down. ?Bumped the
> chair which shot across the room, and sat on the floor hard!
> Messed up L3 in my spine..... ?Developed an infection, did an
> eight week course of antibiotics. ? After over a month in bed, so
> back to rehab. ?Actually stood up the other day, for a whole
> minute, for the first time in three months. ?Muscles are jelly.
>
> So I'm stuck in this hospital bed, using an iPad (!), and
> fighting to get back on my feet, hopefully....."
>
> Perhaps someone else knows what happened from then on, but here's
> how it started, apparently in April, 2016.
>
> There are simply no words. :(
>
> Regards,
> Chris kc9ieq

--
Richard Knoppow
1oldlens1@...
WB6KBL

43412. Re: [DrakeRadio] Tr7. 10T

Yahoo group: DrakeRadio (2018)
Date: 2018-02-26 14:47:02 UTC
From: Ray Collins
Topic: 43379 Message: 43412

blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid !important; padding-left:1ex !important; background-color:white !important; } Thanks Jim, I'm assuming the 10t is generated in the Transmitter exciter card? The radio has receive and the relay clicks over. I've changed all the caps on the exciter card, not looking forward to pulling the transistors. The boards been in and out a few times and deoxit applied.
73Ray VE3BDK

Sent from Yahoo Mail for iPad

On Sunday, February 25, 2018, 12:50 PM, 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

It's probably easier to tell you where the +10T does NOT go. Not to the Digital Control board, VCO board, Translator board, Power Supply board, AUX-7 (unless you are using Fixed ctystal controlled transmit), DR-7, or PA module.

The T/R switching transistors are the three-legged fuses on the TR-7. They will pop from even an instantaneous short to ground of the T or R line. But you could also have dirty/oxidized Molex connectors. Try re-seating the TX Exciter board first.

73

-Jim
NU0C

On Sun, 25 Feb 2018 14:06:28 +0000 (UTC), Ray Collins raycollins39@... [DrakeRadio] wrote:

>Looks like the 10T is acting up. In transmit less than 1.5 volts on the ALC I.C.Assuming a bypass capacitor may have taken out transistors in the transmit exciter board. Or something is pulling the voltage down. What is the 10T bus attached to? Exciter board and the ALC board and what else? Thought I'd change all the 10T caps.
>73's
>Ray VE3BDK

--
“There’s something out of place – let’s go and poke it with a stick..” – The Doctor, "Amy’s Choice"

Yahoo Groups Links

43413. Re: [DrakeRadio] Tr7. 10T

Yahoo group: DrakeRadio (2018)
Date: 2018-02-26 15:04:39 UTC
From: Joe Pyles
Topic: 43379 Message: 43413

The 10v comes from the power supply board and
goes to the transmit exciter board. Transistors
Q306 transmit and Q307 receive, both are
2N4402, are the switches. They act as fuses when
anything shorts either 10 volt rail.

73, Joe Pyles KC9LAD

At 09:47 AM 2/26/2018, you wrote:
>
>
>Thanks Jim, I'm assuming the 10t is generated in
>the Transmitter exciter card? The radio has
>receive and the relay clicks over. I've changed
>all the caps on the exciter card, not looking
>forward to pulling the transistors. The boards
>been in and out a few times and deoxit applied.
>
>73
>Ray VE3BDK
>
>
><https://yho.com/footer0>Sent from Yahoo Mail for iPad
>
>On Sunday, February 25, 2018, 12:50 PM, 'Jim
>Shorney' jshorney@... [DrakeRadio]
><DrakeRadio@yahoogroups.com> wrote:
>
>It's probably easier to tell you where the +10T
>does NOT go. Not to the Digital Control board,
>VCO board, Translator board, Power Supply board,
>AUX-7 (unless you are using Fixed ctystal
>controlled transmit), DR-7, or PA module.
>
>The T/R switching transistors are the
>three-legged fuses on the TR-7. They will pop
>from even an instantaneous short to ground of
>the T or R line. But you could also have
>dirty/oxidized Molex connectors. Try re-seating the TX Exciter board first.
>
>73
>
>-Jim
>NU0C
>

>
>On Sun, 25 Feb 2018 14:06:28 +0000 (UTC), Ray
>Collins
><mailto:raycollins39@...>raycollins39@... [DrakeRadio] wrote:
>
> >Looks like the 10T is acting up. In transmit
> less than 1.5 volts on the ALC I.C.Assuming a
> bypass capacitor may have taken out transistors
> in the transmit exciter board. Or something is
> pulling the voltage down. What is the 10T bus
> attached to? Exciter board and the ALC board
> and what else? Thought I'd change all the 10T caps.
> >73's
> >Ray VE3BDK
>
>
>
>
>--
>â□□Thereâ□□s something out of place □ letâ□□s go
>and poke it with a stick..â□□ □ The Doctor, "Amyâ□□s Choice"
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>Yahoo Groups Links
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><http://groups.yahoo.com/group/DrakeRadio/>http://groups.yahoo.com/group/DrakeRadio/
>
><http://groups.yahoo.com/group/DrakeRadio/join>http://groups.yahoo.com/group/DrakeRadio/join
> (Yahoo! ID required)
>
><mailto:DrakeRadio-digest@yahoogroups.com>DrakeRadio-digest@yahoogroups.com
>
><mailto:DrakeRadio-fullfeatured@yahoogroups.com>DrakeRadio-fullfeatured@yahoogroups.com
>
><mailto:DrakeRadio-unsubscribe@yahoogroups.com>DrakeRadio-unsubscribe@yahoogroups.com
>
><https://info.yahoo.com/legal/us/yahoo/utos/terms/>https://info.yahoo.com/legal/us/yahoo/utos/terms/
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

43414. Drake C-4 Station Console

Yahoo group: DrakeRadio (2018)
Date: 2018-02-26 17:49:04 UTC
From: Marty Santic
Topic: 43414 Message: 43414

I would like to know what a Drake C-4 station console w/ power strip and 5 position antenna switch is worth? The analog clock has been replaced with an LED digital clock. The LED clock fits perfectly in the opening. Is in excellent condition and have the original manual but no box.

43415. Drake SPR-4 with the Hagtronics Crystal Eliminator Kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-26 20:33:50 UTC
From: jonizornes@...
Topic: 43415 Message: 43415

This is my first post and I wanted to add my thoughts about the Hagtronics Crystal Eliminator Kit. I have two SPR-4 receivers and a T-4X transmitter.
The most difficult problem using the Drake SPR-4 today, is finding crystals for the bands you want. Ebay doesn’t have too many and after International Crystal closed, I started looking into obtaining a crystal eliminator for this radio.
Drake made the FS-4 that occasionally shows up on Ebay and it’s expensive. The only other option that I know of that is directly designed for the SPR-4, is the Hagtronics Crystal Eliminator kit reviewed in June, 2004 QST. I ordered mine from “FAr Circuits”. The kit supplies the circuit board and the preprogrammed PIC processor (be sure to state that your order is for the SPR-4, not the R4). It also supplies the 10 Mhz reference crystal, the PLL, the VCO and a few other parts. Some of the IC parts they provide are incorrectly substituted away from the original drawing, so discard them as they can cause problems. The rest of the eighty or so parts you will have to find yourself and carefully substitute the non-critical parts that can’t be found.
In constructing the kit, closely examine both sides of the circuit board for shorts between the copper traces. I found several shorts and used an “X-acto” hobby knife to separate them. Several of the parts use leads that are larger than the holes provided, so I used a 3/64” drill bit to enlarge those holes. On the circuit board, there are many places that need to be soldered both on top and on bottom, as there are no through-hole connections in this circuit board. Be sure to check this very closely, as it’s a source of many of the documented problems. The PLL is a surface mount component and is the hardest to solder, so do it first because you don’t want other parts around to get in the way. It can be done, but you definitely need magnifying glasses. THIS IS NO BEGINNERS KIT! Fortunately, after very careful assembly, it did work without any problem. Research the internet for anything you can find on the kit, because there is some very valuable information on constructing it and avoiding problems.
The kit does not come with the VFD or LCD display (The VFD matches the Drake blue display), the 14 VAC transformer (it needs to be right at 14 volts AC), the proper cast aluminum box for shielding, the 12 relay, the proper rotary encoder switch and the equipment enclosure box, in addition to all the other small components. I used several parts suppliers as well as Ebay.
In connecting it to the SPR-4, I used a small coax cable and soldered the center conductor to the top pin of the crystal socket for slot 23. Be sure not to connect it to the common solder trace of the switch if you use another socket. I soldered the shield of the coax to a ground lug and mounted it on a nearby screw protruding through the chassis with a 4/40 nut and lock washer. If the ground connection isn’t close to the crystal socket, there may be some squealing and instability in the receiver using the crystal eliminator.
I have been very pleased with its’ relatively quiet and stable operation, even though it uses a phase lock loop circuit. I’m sure it’s not as good as a crystal and I’m sure it’s added some additional spurs, but it’s not noticeable enough to be annoying for my general coverage listening. I haven’t noticed any issue when using the eliminator on CW or SSB. The reception is just as steady as using a crystal. The display shows the band selection and the location of the pre-selector for each position.

It's taken me nearly 3 months to procure all the parts necessary and construct. It's very difficult to build and it’s not perfect, but I’m much more impressed than I thought I would be. For my use with the SPR-4, as a general coverage receiver, it’s exactly what I needed.

43416. For sale

Yahoo group: DrakeRadio (2018)
Date: 2018-02-26 18:41:48 UTC
From: dutch@...
Topic: 27208 Message: 43416

I have the following for sale:

T-4XC SERIAL# 24808
R 4-B SERIAL# 10366
These were gone thru by Affordable radio in June of 2017 as follows:

On the T-4xc, I installed the n0jmy cap kit. The vox was not working right, replaced diode CR16 and bad tube V9 12ax7. I cleaned all the tube pins and sockets, cleaned the controls and switches. Lubed bearing drives. Replaced missing hardware. Full alignment. 24 hour burn in and retested all functions.
n the R-4b, I installed the n0jmy cap kit, Checked tubes and cleaned tube pins and sockets. Cleaned controls and switches. Lubed bearing drives. Full alignment. 24 hour burn in and retested all functions.
THE FINALS ON THE T-4XC HAVE GONE SOFT SO I WILL INCLUDE A SET OF NOS FINALS

AC-4 REBUILT

MN 2000

MS-4

ALL ARE FULLY OPERATIONAL AND IN VERY GOOD COSMETIC CONDITION. NO RETURNS.
SORRY BUT I HAVE BEEN BURNED BY PARTS SWAPPERS IN THE PAST.

I WILL FORWARD PICTURES TO INTERESTED PARTIES.

BEST REASONABLE OFFERS (ALL OR SEPERATE) CONSIDERED, PLUS SHIPPING YOU MAY PICKUP AT MY QTH.

CHECK OUT MY FEEDBACK ON QTH.COM

73 DE "DUTCH", KY0R

dutch@usa.net

43417. Re: [DrakeRadio] L4B power switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-26 22:46:45 UTC
From: Brian Smith
Topic: 43372 Message: 43417

Took my L4B apart today and tested with a DMM. The switch tested fine. Put it back together and it works fine. I guess I'll just order a switch replacement and put it on the shelf. Thanks for the help

Brian Smith

> On Feb 25, 2018, at 2:01 PM, 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> My grease of choice for lots of stuff is Tri-Flow PTFE based "clear synthetic"
> bicycle grease. There are lots of other lubricants that would work fine, I'm
> sure others will chime in with their favorites. Can't beat Evan's advice on the
> oil though. :D
>
> 73
>
> -Jim
> NU0C
>
>
>> On Sun, 25 Feb 2018 14:28:42 -0500, Evan k9sqg@... [DrakeRadio] wrote:
>>
>> Brian,
>>
>>
>> I tend to like high temperature silicon based lubricants.
>>
>>
>> As to the blower, I use a light, non-detergent, oil specifically designed for small motors, a particular style that has a long, extendable spout. I put rags or paper towels under the blower area under the chassis, and then lube the front and rear cups up to the top. I wait 24-48 hours, run the blower by itself occasionally, and then check for leaks/overfill. To save time, maybe 5-6 drops in each cup would suffice.
>>
>>
>> 73,
>>
>>
>> Evan, K9SQG
>>
>>
>>
>> -----Original Message-----
>> From: Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com>

>> To: DrakeRadio <DrakeRadio@yahoogroups.com>; Jim Shorney <jshorney@...>
>> Sent: Sun, Feb 25, 2018 2:24 pm
>> Subject: Re: [DrakeRadio] L4B power switch
>>
>>
>>
>>
>>
>>
>> What is the best lube to use on the pivot points? What about on the blower in the rear? Might as well do it when IG€™ve got it disassembled
>>
>> Brian Smith
>>
>>
>>
>>
>>
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>>
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>
> --
> The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris, "The Doctor's Wife"
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> Yahoo Groups Links
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43418. TR7 Main tuning knob FS

Yahoo group: DrakeRadio (2018)
Date: 2018-02-26 23:19:32 UTC
From: Kc9cdt@...
Topic: 43418 Message: 43418

I have a Drake TR-7 main tuning knob FS.
It is NOS.....just the knob...$25 shipped Cont US.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43419. Re: [DrakeRadio] Drake C-4 Station Console

Yahoo group: DrakeRadio (2018)
Date: 2018-02-26 23:46:30 UTC
From: Steve Wedge
Topic: 43414 Message: 43419

I see ones without the original power controller and antenna switch go north of $500 for decent shape with the original clock. Is the original clock still sitting in a box somewhere?

I have one, myself, and I disconnected the clock to avoid the risk of it burning out (it was working). I'd put mine up for at least $600 with the two accessory boxes (which are functional).

YMMV

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Mon, Feb 26, 2018 at 12:49 PM, Marty Santic martin.santic@gmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> I would like to know what a Drake C-4 station console w/ power strip and 5
> position antenna switch is worth? The analog clock has been replaced with
> an LED digital clock. The LED clock fits perfectly in the opening. Is in
> excellent condition and have the original manual but no box.
>
>
>

43420. Re: [DrakeRadio] Drake C-4 Station Console

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 01:21:58 UTC
From: brakemanbobsmith
Topic: 43414 Message: 43420

Seen one on ebay intact an working, so they claim for 600.I was looking to pick one up for my station until I seen what they are selling for LOL

Sent from my Sprint Samsung Galaxy S7.
-------- Original message --------From: "Steve Wedge steve27302@gmail.com [DrakeRadio]" <DrakeRadio@yahoogroups.com> Date: 2/26/18 6:46 PM (GMT-05:00) To: DrakeRadio@yahoogroups.com, Marty Santic <martin.santic@gmail.com> Subject: Re: [DrakeRadio] Drake C-4 Station Console

I see ones without the original power controller and antenna switch go north of $500 for decent shape with the original clock. Is the original clock still sitting in a box somewhere?
I have one, myself, and I disconnected the clock to avoid the risk of it burning out (it was working). I'd put mine up for at least $600 with the two accessory boxes (which are functional).
YMMV

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Mon, Feb 26, 2018 at 12:49 PM, Marty Santic martin.santic@gmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

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43421. R8 Converter Input

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 02:49:35 UTC
From: Glen Kirkpatrick
Topic: 43421 Message: 43421

I have an R8 receiver that I use for general coverage tuning around. I do not have the VHF converter and would like to use the second coax input (converter) for an alternate HF antenna. Selection of the converter input from the front panel is is inhibited, I assume because the converter is not installed.
When you install the converter, you connect a little harness to a header on the receiver chassis. Does anyone understand this interface? Documentation in the manual is a little sparse, but my guess is that if you short two of the pins together, converter selection would be enabled. Or maybe my receiver has a problem...
I really like this receiver. The LC filters in the IF give it the feel of an R4-B (sorta), but it won't keep you warm in the winter.
Tnx es 73,
Glen - W9LS

43422. Re: [DrakeRadio] Drake SPR-4 with the Hagtronics Crystal Eliminator Kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 04:07:53 UTC
From: Jim Pruitt
Topic: 43415 Message: 43422

I built one of those not too long after it was published. N0SS laid out the pc board for Fred (FAR). I thought it was very expensive to build. One of the AD9850 DDS modules could be programmed to do the same thing a lot cheaper. I also ran across this web page many years ago: http://www.jimcom.net/elehobby/r4cdds/index.html when Analog Devices was still giving AD9850 samples free. Granted the web page is in Japanese and also it is for the R4 but that can easily be fixed in the hex code.

How much did you end up spending to build the kit or semi kit? I figured I had $200 in mine. I actually started a second one as I do have MC145155's (not smt versions).

I ended up sending my completed unit to Steve Hageman as his article said it would work with a VFD or LCD without any changes. That turned out not to be true. You do have to select VFD if you are driving a vfd disply and must select LCD if driving an LCD display but beyond that it worked.

Thank you.

Jim Pruitt
WA7DUY

On 2/26/2018 12:33 PM, jonizornes@... [DrakeRadio] wrote:
>
> This is my first post and I wanted to add my thoughts about the
> Hagtronics Crystal Eliminator Kit. I have two SPR-4 receivers and a
> T-4X transmitter.
>
> The most difficult problem using the Drake SPR-4 today, is finding
> crystals for the bands you want. Ebay doesn’t have too many and after
> International Crystal closed, I started looking into obtaining a
> crystal eliminator for this radio.
>
> Drake made the FS-4 that occasionally shows up on Ebay and it’s
> expensive. The only other option that I know of that is directly
> designed for the SPR-4, is the Hagtronics Crystal Eliminator kit
> reviewed in June, 2004 QST. I ordered mine from “FAr Circuits”. The
> kit supplies the circuit board and the preprogrammed PIC processor (be
> sure to state that your order is for the SPR-4, not the R4). It also
> supplies the 10 Mhz reference crystal, the PLL, the VCO and a few
> other parts. Some of the IC parts they provide are incorrectly
> substituted away from the original drawing, so discard them as they
> can cause problems. The rest of the eighty or so parts you will have
> to find yourself and carefully substitute the non-critical parts that

> can’t be found.
>
> In constructing the kit, closely examine both sides of the circuit
> board for shorts between the copper traces. I found several shorts and
> used an “X-acto” hobby knife to separate them. Several of the parts
> use leads that are larger than the holes provided, so I used a 3/64”
> drill bit to enlarge those holes. On the circuit board, there are many
> places that need to be soldered both on top and on bottom, as there
> are no through-hole connections in this circuit board. Be sure to
> check this very closely, as it’s a source of many of the documented
> problems. The PLL is a surface mount component and is the hardest to
> solder, so do it first because you don’t want other parts around to
> get in the way. It can be done, but you definitely need magnifying
> glasses. THIS IS NO BEGINNERS KIT! Fortunately, after very careful
> assembly, it did work without any problem. Research the internet for
> anything you can find on the kit, because there is some very valuable
> information on constructing it and avoiding problems.
>
> The kit does not come with the VFD or LCD display (The VFD matches the
> Drake blue display), the 14 VAC transformer (it needs to be right at
> 14 volts AC), the proper cast aluminum box for shielding, the 12
> relay, the proper rotary encoder switch and the equipment enclosure
> box, in addition to all the other small components. I used several
> parts suppliers as well as Ebay.
>
> In connecting it to the SPR-4, I used a small coax cable and soldered
> the center conductor to the top pin of the crystal socket for slot 23.
> Be sure not to connect it to the common solder trace of the switch if
> you use another socket. I soldered the shield of the coax to a ground
> lug and mounted it on a nearby screw protruding through the chassis
> with a 4/40 nut and lock washer. If the ground connection isn’t close
> to the crystal socket, there may be some squealing and instability in
> the receiver using the crystal eliminator.
>
> I have been very pleased with its’ relatively quiet and stable
> operation, even though it uses a phase lock loop circuit. I’m sure
> it’s not as good as a crystal and I’m sure it’s added some additional
> spurs, but it’s not noticeable enough to be annoying for my general
> coverage listening. I haven’t noticed any issue when using the
> eliminator on CW or SSB. The reception is just as steady as using a
> crystal. The display shows the band selection and the location of the
> pre-selector for each position.
>
> It's taken me nearly 3 months to procure all the parts necessary and
> construct. It's very difficult to build and it’s not perfect, but I’m
> much more impressed than I thought I would be. For my use with the
> SPR-4, as a general coverage receiver, it’s exactly what I needed.
>
>
>

>

43423. Re: [DrakeRadio] Tr7. 10T

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 04:40:32 UTC
From: Jim Shorney
Topic: 43379 Message: 43423

Yes, I thought you already knew that. :) You can easily measure both 10T and 10R on the bottom of the parent board. You should be able to test the transistors on the TX Exciter board with an ohmmeter without needing to pull them. The relay is energized by 10T via Q1901 onthe Low Pass Filter module. If you are hearing the relay pull then you must have enouigh on the 10T line to fire the Q1901. Measuring on the parent board the T and R voltages should go to near 10V when active and near 0 when not.

73

-Jim
NU0C

On Mon, 26 Feb 2018 14:47:02 +0000 (UTC), Ray Collins raycollins39@... [DrakeRadio] wrote:

>Thanks Jim, I'm assuming the 10t is generated in the Transmitter exciter card? The radio has receive and the relay clicks over. I've changed all the caps on the exciter card, not looking forward to pulling the transistors. The boards been in and out a few times and deoxit applied.

>73
>Ray VE3BDK

--
?There?s something out of place ? let?s go and poke it with a stick.? ? The Doctor, "Amy?s Choice"

43424. Re: Drake SPR-4 with the Hagtronics Crystal Eliminator Kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 06:21:55 UTC
From: cqdew1uo@...
Topic: 43415 Message: 43424

Four "Crystals" for $18.

https://hayseedhamfest.com/products/ran-technology-four-channel-oscillator-board
https://hayseedhamfest.com/products/ran-technology-four-channel-oscillator-board

43425. Re: [DrakeRadio] R8 Converter Input

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 12:42:21 UTC
From: Barry
Topic: 43421 Message: 43425

Hi Glen,

There's an R8 Yahoo group. You might try asking there.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Glen Kirkpatrick w9ls@leosatinc.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: drakeradio@yahoogroups.com
> Sent: Monday, February 26, 2018 8:49:35 PM
> Subject: [DrakeRadio] R8 Converter Input
>
> I have an R8 receiver that I use for general coverage tuning around. I do
> not have the VHF converter and would like to use the second coax input
> (converter) for an alternate HF antenna. Selection of the converter input
> from the front panel is is inhibited, I assume because the converter is not
> installed.
> When you install the converter, you connect a little harness to a header on
> the receiver chassis. Does anyone understand this interface? Documentation
> in the manual is a little sparse, but my guess is that if you short two of
> the pins together, converter selection would be enabled. Or maybe my
> receiver has a problem...
> I really like this receiver. The LC filters in the IF give it the feel of an
> R4-B (sorta), but it won't keep you warm in the winter.
> Tnx es 73,
> Glen - W9LS

43426. Re: Drake SPR-4 with the Hagtronics Crystal Eliminator Kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 14:00:23 UTC
From: jonizornes@...
Topic: 43415 Message: 43426

Awesome! Thanks!

43427. Re: [DrakeRadio] R8 Converter Input

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 14:05:29 UTC
From: Glen Kirkpatrick
Topic: 43421 Message: 43427

Hi Barry,
Thanks for that. I had no idea, but that explains why there is little R8 discussion here.
It's hard to know your blind spots. I guess that's why they call them "blind spots".
Are there any other narrow Drake groups out there? I may be missing out...
73,
Glen - W9LS

From: Barry <n4buq@...>
To: DrakeRadio@yahoogroups.com; Glen Kirkpatrick <w9ls@...>
Cc: drakeradio@yahoogroups.com
Sent: Tuesday, February 27, 2018 4:42 AM
Subject: Re: [DrakeRadio] R8 Converter Input

Hi Glen,

There's an R8 Yahoo group. You might try asking there.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Glen Kirkpatrick w9ls@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: drakeradio@yahoogroups.com
> Sent: Monday, February 26, 2018 8:49:35 PM
> Subject: [DrakeRadio] R8 Converter Input
>
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> not have the VHF converter and would like to use the second coax input
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> When you install the converter, you connect a little harness to a header on
> the receiver chassis. Does anyone understand this interface? Documentation
> in the manual is a little sparse, but my guess is that if you short two of
> the pins together, converter selection would be enabled. Or maybe my
> receiver has a problem...
> I really like this receiver. The LC filters in the IF give it the feel of an
> R4-B (sorta), but it won't keep you warm in the winter.
> Tnx es 73,
> Glen - W9LS

43428. TR4C PARTING IT OUT STILL

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 15:04:37 UTC
From: wa2hso@...
Topic: 43428 Message: 43428

I STILL HAVE SOME TR4C PARTS AVAILABLE
Most all coils / if cans relay / daugher boards

final cage/& inside parts
pto dial/gears/lamps
rf / load / plate caps
switches / connectors / front panel (90% clean)
cabinet (needs a repaint)

respond with your needs / (i can send pictures)

REASONABLE , offer price (consider shipping)
PAYPAL accepted / USPS MONEY ORDER / cash @your risk

MOST GO ON E-BAY NEXT WEEK @ MORE $

DUTTON46@HOTMAIL.COM

43429. TR-7 PBT/Reference Board Pin 17 and Pin 40 locations?

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 16:50:49 UTC
From: Dexter Francis
Topic: 43379 Message: 43429

One of the procedures for aligning the TR-7 involves adjusting R2113 (AM), 2116 (RTTY), 2119(CW), 2122(LSB), 2125(USB) and 2103 (+10V Regulator) and measuring the frequency at Pin 40 or Pin 17 of the PBT/Reference board.

Can anyone provide me with an image or guidance as to which pins are Pin 40 and Pin 17 and where there are exactly?

Has anyone tried using the Digital Display Board as the frequency counter to make these measurements or do you always use an external frequency counter?

-df N0YLJ

43430. Re: Drake SPR-4 with the Hagtronics Crystal Eliminator Kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 17:15:15 UTC
From: jonizornes@...
Topic: 43415 Message: 43430

Thanks, Toonafishy, I just ordered one of the 4 chan osc. just to see how it does.

43431. Re: Drake SPR-4 with the Hagtronics Crystal Eliminator Kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 17:20:30 UTC
From: jonizornes@...
Topic: 43415 Message: 43431

Hi Jim, yes, it is expensive to build. The kit from FAr now is 85$ (another site has one for 175$!!!), the VFD is 35$ from the source I found on ebay and with about 80+ other parts, it has totaled over 200$ easy. Of course I had to over order many of the parts from Mouser and the other places, so I have plenty left over to get started on another one, if I do. I was thinking exactly what you said that by now there are much simpler and cheaper circuits to do the same thing. Thanks for the link. As far as the VFD display goes, mine worked right off the bat. To power it up and see it come on was such a relief, hi hi. What do you do to select one or the other?

43434. R-4 (SPR-4?) crystal eliminator kit/extras

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 17:38:08 UTC
From: Kc9cdt@...
Topic: 43434 Message: 43434

Hi guys,
From Tom N0SS

I have a R4 crystal eliminator mini kit and extras (pc boards for vfd mount, front panel, copper both sides) AND 2 aluminum plates cut for front panel, instructions and decals for front panel....

All for $75. shipped Cont US...
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43436. Re: R-4 (SPR-4?) crystal eliminator kit/extras

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 17:45:21 UTC
From: jonizornes@...
Topic: 43434 Message: 43436

Do you have a link to info about it?

43437. Re: [DrakeRadio] R-4 (SPR-4?) crystal eliminator kit/extras

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 18:02:39 UTC
From: RAY FRIESS
Topic: 43434 Message: 43437

I'm interested in this. Ray wa7itz

Sent from my Verizon LG Smartphone

------ Original message------
From: Kc9cdt@... [DrakeRadio]
Date: Tue, Feb 27, 2018 10:44 AM
To: drakeradio@yahoogroups.com;
Cc:
Subject:[DrakeRadio] R-4 (SPR-4?) crystal eliminator kit/extras

Hi guys,

From Tom N0SS

I have a R4 crystal eliminator mini kit and extras (pc boards for vfd mount, front panel, copper both sides) AND 2 aluminum plates cut for front panel, instructions and decals for front panel....

All for $75. shipped Cont US...
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43438. Re: [DrakeRadio] R-4 (SPR-4?) crystal eliminator kit/extras

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 18:31:34 UTC
From: Kc9cdt@...
Topic: 43434 Message: 43438

I think it covers all HF...general coverage from 1.8 - 30mhz
It was a project in QST by Tom N0SS

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: RAY FRIESS rayfrijr@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Tue, Feb 27, 2018 1:07 pm
Subject: Re: [DrakeRadio] R-4 (SPR-4?) crystal eliminator kit/extras

I'm interested in this. Ray wa7itz

Sent from my Verizon LG Smartphone

------ Original message------
From: Kc9cdt@... [DrakeRadio]
Date: Tue, Feb 27, 2018 10:44 AM
To: drakeradio@yahoogroups.com;
Cc:
Subject:[DrakeRadio] R-4 (SPR-4?) crystal eliminator kit/extras

Hi guys,
From Tom N0SS

I have a R4 crystal eliminator mini kit and extras (pc boards for vfd mount, front panel, copper both sides) AND 2 aluminum plates cut for front panel, instructions and decals for front panel....

All for $75. shipped Cont US...
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43439. Re: [DrakeRadio] R-4 (SPR-4?) crystal eliminator kit/extras

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 19:19:23 UTC
From: Jim Pruitt
Topic: 43434 Message: 43439

http://www.farcircuits.net/OSCILLATORS.html
http://www.farcircuits.net/vfo2.htm
"*SYNTHESIZER FOR DRAKE RECEIVER BY HAGEMAN (MINI KIT)**
QST Jun2004"

If you are an ARRL member you can download the article from June 2004 starting on page 28.? It was a crystal eliminator for the Drake 4 line and the SPR4.? it uses a PIC cpu and optical encoder to pick the 500khz segment.? The PIC (16F876) had to be programmed for either the SPR4 or R4and/T4any.? It also uses a Motorola MC145155 pll synthesizer chip and I think that is part of what the semi kit consists of.? It also needed a MiniCircuits POS-100 vco.? It will either use an LCD display or a VFD display.? The article says you don't have to select but if you fail to select LCD (jumper) then you will get a quick boot up flash on the display and nuttin after that!? Ask me how I know.

Steven C. Hageman used to have a FAQ for the project that he kept on his Geocities site (before Geocities bit the dust).? The title of the QST article was:
"Give That Drake Receiver a New Lease on Life".

Tom Hammand and I worked on this quite a bit after it came out (mostly Tom).

I hope that helps.

Good luck.

Jim Pruitt
WA7DUY
*

Description: This project allows the R4 receiver to tune a 0.5 MHZ frequency range from 1.5 to 30 Mhz with an LCD display. The mini kit consists of the programmed PIC, PC Board, (2) 7805 regulators, the MC145170d2 IC, op27gz opamp IC, and Mini Circuit 100 mhz VCO. The mini kit includes all the hard to get parts.*Please specify the R-4 OR SPR-4*.. See www.arrl.org/files/sqtbinaries/drake_synth_zip

On 2/27/2018 10:02 AM, RAY FRIESS rayfrijr@... [DrakeRadio] wrote:
>
> I'm interested in this.? Ray wa7itz
>
> /Sent from my Verizon LG Smartphone/
>
> ------ Original message------
> *From: *Kc9cdt@... [DrakeRadio]
> *Date: *Tue, Feb 27, 2018 10:44 AM

> *To: *drakeradio@yahoogroups.com;
> *Cc: *
> *Subject:*[DrakeRadio] R-4 (SPR-4?) crystal eliminator kit/extras
>
> Hi guys,
>
> From Tom N0SS
>
> I have a R4 crystal eliminator mini kit and extras (pc boards for vfd
> mount, front panel, copper both sides) AND 2 aluminum plates cut for
> front panel, instructions and decals for front panel....
>
> All for $75.? ?shipped Cont US...
> 73,
> Lee
>
> Lee Simmonds
> Summit DCS
> 260-403-6936 Cell
>

43440. FCC version of the SPR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 19:38:58 UTC
From: jonizornes@...
Topic: 43440 Message: 43440
Attachments: 1 described; binary payloads are missing from this source WARC

One of my SPR-4 radio's is the FCC version and I would like to find any documentation on the alternate wiring for this radio. Any ideas?

43441. Re: [DrakeRadio] Tr7. 10T

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 20:31:27 UTC
From: Ray Collins
Topic: 43379 Message: 43441

blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid !important; padding-left:1ex !important; background-color:white !important; } Jim you would be surprised how much I don't know. ;-)) I read the 10t on the parent board and it appears ok throughout the unit including the ALC board. Tested the mic, it's putting out something. I have a wattmeter and modulation meter on the RF out with a dummy load it shows I'm putting out 5 watts RMS. At a loud level form my voice. I think I can hear the ALC on receive, in transmit the green LED is not working.

73
Ray VE3BDK

Sent from Yahoo Mail for iPad

On Monday, February 26, 2018, 11:40 PM, 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Yes, I thought you already knew that. :) You can easily measure both 10T and 10R on the bottom of the parent board. You should be able to test the transistors on the TX Exciter board with an ohmmeter without needing to pull them. The relay is energized by 10T via Q1901 onthe Low Pass Filter module. If you are hearing the relay pull then you must have enouigh on the 10T line to fire the Q1901. Measuring on the parent board the T and R voltages should go to near 10V when active and near 0 when not.

73

-Jim
NU0C

On Mon, 26 Feb 2018 14:47:02 +0000 (UTC), Ray Collins raycollins39@... [DrakeRadio] wrote:

>Thanks Jim, I'm assuming the 10t is generated in the Transmitter exciter card? The radio has receive and the relay clicks over. I've changed all the caps on the exciter card, not looking forward to pulling the transistors. The boards been in and out a few times and deoxit applied.

>73
>Ray VE3BDK

--
“There’s something out of place – let’s go and poke it with a stick..” – The Doctor, "Amy’s Choice"

Yahoo Groups Links

43442. Looking to trade Drake collection for TR4CW

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 20:04:08 UTC
From: W8WZ
Topic: 43442 Message: 43442

Hello,
I have recently received a small collection of Drake radios that I would like to trade for a TR4CW that is in great condition.

I have a TR7 with all filters and matching power supply in perfect condition that was restored by Jeff Covelli WA8SAJ and has full documentation. This also comes with the matching microphone and the power cord to use it to connect to a different brand of power supply. If you like solids state radios, this is a gem.

I also have a TR4 that works great on all bands except 40 meters where I cannot get any RF output. This comes with an AC4 power supply.

I also have a TR4C that I am told works but have not yet tested.

I have one copy of the TR4C manual that will go with it as well.

If anyone is seriously interested in trading all of these items for a very good condition TR4CW please let me know and we can trade pictures of our gear.
Thanks es 73, Carl W8WZ

Sent from my iPad

43443. Re: [DrakeRadio] FCC version of the SPR-4 [1 Attachment]

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 22:01:05 UTC
From: VE7PS
Topic: 43443 Message: 43443

Joni (do I have this right?):

Might be an idea to include your 1st name and a callsign. We like to know who we're 'talking' to on this group!

I wasn't aware there was an "FCC Version" of the SPR-4 so an interesting bit of trivia. Curious what makes you think it is wired differently from other SPR-4's? I do see that an AGC Fast/Slow switch has been added, but that was a pretty common mod for this rig and may have been done by a previous owner, or yourself perhaps? The dial is certainly marked differently - never seen the red marks before! I found this in VE3EFJ's 'Drake Mods' on that topic;
*
Some models were specially constructed for the FCC when they cared about the mess on CB**
and had the CB channels marked on the dial plates in red. It is done in
**an ingenious way and is fascinating to watch in action.*

There were some electronic changes in all SPR-4's, most notably to the audio board. Early ones had two "pill-like" B-5030 audio transistors, while later ones had TO-220 style EP-487 transistors. Early circuit boards were brown phenolic, while later ones were glass epoxy.

The SPR-4 was also marketed as a marine reserve receiver in rack mount versions as the RR-1 and the RR-2 with both the Drake name on it, as well as several other brand and model names. These include EAC Radiomarine (interestingly labeled as an R8!), Hagenuk, SAIT, Debeg, ITT Mackay Marine and a French company whose name I can't recall. These receivers had front facing speakers, and have other additions such as power supply options and audio output options (600 ohm Line Amp outputs) suitable for shipboard use. I doubt you will see any of those in the FCC version of the SPR-4 as room is pretty limited. The RR-2 was an upgraded SPR-4/RR-1 that included (effectively) an FS-4 synthesizer in the "box" for full coverage.

73
Peter
VE7PS

On 2/27/2018 9:33 AM, jonizornes@... [DrakeRadio] wrote:
>
> One of my SPR-4 radio's is the FCC version and I would like to find
> any documentation on the alternate wiring for this radio. Any ideas?
>
>
>

>

This email has been checked for viruses by AVG.
http://www.avg.com

43444. Re: [DrakeRadio] R-4 (SPR-4?) crystal eliminator kit/extras

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 22:22:24 UTC
From: Kc9cdt@...
Topic: 43434 Message: 43444

Jim,
Now it comes back to me...I think it makes a nice product if you put in the work...
Thanks,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Jim Pruitt jpruitt67@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; RAY FRIESS <rayfrijr@...>
Sent: Tue, Feb 27, 2018 2:53 pm
Subject: Re: [DrakeRadio] R-4 (SPR-4?) crystal eliminator kit/extras

http://www.farcircuits.net/OSCILLATORS.html
http://www.farcircuits.net/vfo2.htm
"SYNTHESIZER FOR DRAKE RECEIVER BY HAGEMAN (MINI KIT)
QST Jun2004"

If you are an ARRL member you can download the article from June 2004 starting on page 28. It was a crystal eliminator for the Drake 4 line and the SPR4. it uses a PIC cpu and optical encoder to pick the 500khz segment. The PIC (16F876) had to be programmed for either the SPR4 or R4and/T4any. It also uses a Motorola MC145155 pll synthesizer chip and I think that is part of what the semi kit consists of. It also needed a MiniCircuits POS-100 vco. It will either use an LCD display or a VFD display. The article says you don't have to select but if you fail to select LCD (jumper) then you will get a quick boot up flash on the display and nuttin after that! Ask me how I know.

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"Give That Drake Receiver a New Lease on Life".

Tom Hammand and I worked on this quite a bit after it came out (mostly Tom).

I hope that helps.

Good luck.

Jim Pruitt
WA7DUY

Description: This project allows the R4 receiver to tune a 0.5 MHZ frequency range from 1.5 to 30 Mhz with an LCD display. The mini kit consists of the programmed PIC, PC Board, (2) 7805 regulators, the MC145170d2 IC, op27gz opamp IC, and Mini Circuit 100 mhz VCO. The mini kit includes all the hard to get parts. Please specify the R-4 OR SPR-4.. See www.arrl.org/files/sqtbinaries/drake_synth_zip

On 2/27/2018 10:02 AM, RAY FRIESS rayfrijr@msn.com [DrakeRadio] wrote:

I'm interested in this. Ray wa7itz

Sent from my Verizon LG Smartphone

------ Original message------

From: Kc9cdt@... [DrakeRadio]

Date: Tue, Feb 27, 2018 10:44 AM

To: drakeradio@yahoogroups.com;

Cc:

Subject:[DrakeRadio] R-4 (SPR-4?) crystal eliminator kit/extras

Hi guys,

From Tom N0SS

I have a R4 crystal eliminator mini kit and extras (pc boards for vfd mount, front panel, copper both sides) AND 2 aluminum plates cut for front panel, instructions and decals for front panel....

All for $75. shipped Cont US...

73,

Lee

Lee Simmonds

Summit DCS

260-403-6936 Cell

43445. Re: R-4 (SPR-4?) crystal eliminator kit/extras

Yahoo group: DrakeRadio (2018)
Date: 2018-02-27 21:08:07 UTC
From: Mark Gilger
Topic: 43434 Message: 43445

Maybe the Elecraft XG3 RF Signal Source should be considered?

Jeff, WA8SAJ wrote an article several years ago using one for an R-4B
for just that purpose. You can read all about it on this link:

http://www.wb4hfn.com/DRAKE/DrakeArticles/Crystal%20Sub/Crystal%20Alternative.htm

73's,

Mark, WB0IQK

43446. Re: [DrakeRadio] TR-7 PBT/Reference Board Pin 17 and Pin 40 locations?

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 01:14:57 UTC
From: Jim Shorney
Topic: 43379 Message: 43446
Attachments: 1 described; binary payloads are missing from this source WARC

On Tue, 27 Feb 2018 09:50:49 -0700, Dexter Francis dwmfrancis@... [DrakeRadio] wrote:

>One of the procedures for aligning the TR-7 involves adjusting R2113 (AM), 2116 (RTTY), 2119(CW), 2122(LSB), 2125(USB) and 2103 (+10V Regulator) and measuring the frequency at Pin 40 or Pin 17 of the PBT/Reference board.

>Can anyone provide me with an image or guidance as to which pins are Pin 40 and Pin 17 and where there are exactly?

Attached.

>Has anyone tried using the Digital Display Board as the frequency counter to make these measurements or do you always use an external frequency counter?

That's a nice thought, but the accuracy of the counter depends on the 40 MHz oscillator.

73

-Jim
NU0C

--
Ham Radio NU0C
Lincoln, Nebraska, U.S.S.A.
TR7/RV7/R7A/L7, TR6/RV6, T4XC/R4C/L4B, NCL2000, SB104A, R390A, GT550A/RV550A, HyGain 3750, IBM PS/2 - all vintage, all the time!

"Give a man a URL and he will learn for an hour. Teach him to Google and he will learn for a lifetime."

HyGain 3750 User's Group - http://groups.yahoo.com/group/HyGain_3750/
http://incolor.inetnebr.com/jshorney
http://www.nebraskaghosts.org

43447. Re: [DrakeRadio] FCC version of the SPR-4 [1 Attachment]

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 01:28:44 UTC
From: jonizornes@...
Topic: 43443 Message: 43447

Hi Peter, thanks for the info. Yes, there is some additional wiring in the FCC version, but I don't think it was as dramatic as I originally thought it was, but there is a bit more wiring going here and there. Plus it looks like they modified and changed some of the transistors although it may just be a repair job. Anyway, I was very fortunate to obtain this one on ebay for less than 200$. I did try to make my name and call on the users group, but it just doesn't show. Here is a copy of what is listed in "Membership"
Identity

Display Name:
Joni AA4WA

Yahoo! Alias:
jonizornes@gmail.com

Email Address :
jonizornes@gmail.com

I tried to edit the Yahoo! Alias: but it won't let me. I assumed my name would have shown with the Display Name, but it doesn't. Doesn't make sense to me.
I was trying to get the official FCC documentation and made contact with Riley Hollingsworth, the former FCC head and he said he was interested and would use his contacts to find out for me, but he hasn't got back to me yet.

Joni AA4WA

43448. Re: [DrakeRadio] TR-7 PBT/Reference Board Pin 17 and Pin 40 locations? [1 Attachment]

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 01:44:45 UTC
From: Dexter Francis
Topic: 43379 Message: 43448

Thank you!

-df

> On Feb 27, 2018, at 6:14 PM, 'Jim Shorney' jshorney@inebraska.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> On Tue, 27 Feb 2018 09:50:49 -0700, Dexter Francis dwmfrancis@... <mailto:dwmfrancis@...> [DrakeRadio] wrote:
>
> >One of the procedures for aligning the TR-7 involves adjusting R2113 (AM), 2116 (RTTY), 2119(CW), 2122(LSB), 2125(USB) and 2103 (+10V Regulator) and measuring the frequency at Pin 40 or Pin 17 of the PBT/Reference board.
>
> >Can anyone provide me with an image or guidance as to which pins are Pin 40 and Pin 17 and where there are exactly?
>
> Attached.
>
> >Has anyone tried using the Digital Display Board as the frequency counter to make these measurements or do you always use an external frequency counter?
>
> That's a nice thought, but the accuracy of the counter depends on the 40 MHz oscillator.
>
> 73
>
> -Jim
> NU0C
>
> --
> Ham Radio NU0C
> Lincoln, Nebraska, U.S.S.A.
> TR7/RV7/R7A/L7, TR6/RV6, T4XC/R4C/L4B, NCL2000, SB104A, R390A, GT550A/RV550A, HyGain 3750, IBM PS/2 - all vintage, all the time!
>
> "Give a man a URL and he will learn for an hour. Teach him to Google and he will learn for a lifetime."
>
> HyGain 3750 User's Group - http://groups.yahoo.com/group/HyGain_3750/ <http://groups.yahoo.com/group/HyGain_3750/>
> http://incolor.inetnebr.com/jshorney <http://incolor.inetnebr.com/jshorney>
> http://www.nebraskaghosts.org <http://www.nebraskaghosts.org/>
>
>

> <TR-7 Parent Board Pin Numbering.png>

43449. Re: [DrakeRadio] Tr7. 10T

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 01:46:57 UTC
From: Jim Shorney
Topic: 43379 Message: 43449

OK, the service manual is your best friend. The "how sutff works" descriptions do a very good job of explaining just that. The block diagram near the front will show you how the signals flow. If your RX seems to be working to spec that means that most of the RF chain is probably OK. That pretty much leaves the PA brick and TX Exciter board, but don't overlook the TR relay. Do you have a proper power cable? If you are using a PS-7 you should be good, but if not make sure that BOTH positive power pins are connected to +13V. One of them supplies power to the PA brick and the other to everything else.

ALC control is derived from the forward and reverse power sensors on the Low Pass FiIter module. ALC is threshold based and will do nothng until power output reaches the threshold and the green light comes on. Check the RF levels around the PA brick. If you remove the four screws securing it to the right side panel it can be pulled out of the radio far enough for service without disconnecting wires.

73

-Jim
NU0C

On Tue, 27 Feb 2018 20:31:27 +0000 (UTC), Ray Collins raycollins39@...
[DrakeRadio] wrote:

>Jim you would be surprised how much I don't know. ;-)) -?I read the 10t on the parent board and it appears ok throughout the unit including the ALC board. Tested the mic, it's putting out something. I have a wattmeter and modulation meter on the RF out with a dummy load it shows I'm putting out 5 watts RMS. At a loud level form my voice. I think I can hear the ALC on receive, in transmit the green LED is not working.
>
>73
>Ray VE3BDK

--
?There?s something out of place ? let?s go and poke it with a stick.? ? The Doctor, "Amy?s Choice"

43450. Fwd: Drake R-4C AM IF crystal filters FS

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 01:54:44 UTC
From: Kc9cdt@...
Topic: 43392 Message: 43450

Drake guys....still have 2 of these...

I have 2 R-4C AM filters FS....All are NOS as far as I can tell.

5645KC, 8KC wide, Model 5045 from Piezo Technology...P/N 314-0140

$60 each shipped Cont US.

Thanks,
Lee, KC9CDT

Lee Simmonds
Summit DCS

260-403-6936 Cell

43451. TR-7 board extenders FS

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 02:28:01 UTC
From: Kc9cdt@...
Topic: 43451 Message: 43451

I have a set of extenders...I'm pretty sure they are for TR-7......
$25 shipped Cont US only
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43452. Re: [DrakeRadio] TR-7 board extenders FS

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 02:42:47 UTC
From: MadScientist
Topic: 43451 Message: 43452

If they are indeed for a TR7, I will buy them.

Gary

> On Feb 27, 2018, at 8:28 PM, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I have a set of extenders...I'm pretty sure they are for TR-7......
>
> $25 shipped Cont US only
> 73,
> Lee
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 Cell
>
>

43453. Re: [DrakeRadio] Fwd: Drake R-4C AM IF crystal filters FS

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 02:54:03 UTC
From: rar100
Topic: 43392 Message: 43453

Lee,

I'll take one….PayPal??

Rick
W9WS

> On Feb 27, 2018, at 7:54 PM, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Drake guys....still have 2 of these...
>
> I have 2 R-4C AM filters FS....All are NOS as far as I can tell.
> 5645KC, 8KC wide, Model 5045 from Piezo Technology...P/N 314-0140
>
> $60 each shipped Cont US.
>
> Thanks,
> Lee, KC9CDT
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 Cell
>
>

43454. Re: [DrakeRadio] K4OAH SK

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 03:04:54 UTC
From: xjjb4x4@...
Topic: 43169 Message: 43454

Wow! Finally got around to catching up on some e-mail and get this bomb dropped on me! I knew Garey had been going through some medical issues lately. Just assumed that he'd be right back again solving our broken rig issues.
Sure wished I could have met him in person. I have recently retired and that was on my initial list of things to do.
I have a huge catalog of troubleshoots and fixes I have gleaned off of this list with his brilliant input and solutions.
My heart has sunk missing such a fine gentleman and mentor. I trust he knew the Lord and is rejoicing with the rewards due such an fine man.

God bless
73
jb
kg6biw

43455. Re: [DrakeRadio] Re: Drake SPR-4 with the Hagtronics Crystal Eliminator Kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 03:08:45 UTC
From: Jim Shorney
Topic: 43415 Message: 43455

Neat idea, but it looks like the cited oscillator module is square wave output.

73

-Jim
NU0C

On 27 Feb 2018 06:21:55 +0000, cqdew1uo@... [DrakeRadio] wrote:

>
>Four "Crystals" for $18.
>
>https://hayseedhamfest.com/products/ran-technology-four-channel-oscillator-board

--
The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris, "The Doctor's Wife"

43456. Re: [DrakeRadio] Re: Drake SPR-4 with the Hagtronics Crystal Eliminator Kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 04:12:41 UTC
From: Jim Pruitt
Topic: 43415 Message: 43456

QST had an article in the early or mid 70's that was a FS4 clone.? I used to have a photocopy of the article and it may have appeared in a Handbook but can't remember.? Anyway it was very simple and looked like just an oscillator.? I am not an ARRL member any more so I can't go download the article but it would have been very cheap to make one of those compared to the Hageman approach.? Also using one of the AD9850 dds modules from China that sell for around $12 now plus a PIC16F628 could be programmed easily to provide the outputs.? The JimCom article actually did that before AD9850 modules were even available.? It would be easy to convert the JimCom code as it would only take changing the frequency from what the R4any/T4any used to what the SPR4 uses and change the include from 16F84A to 16F628.

However the QST article I mentioned was really cheap to make and very uncomplicated.? Does anyone happen to know what the title and author of that article was?

Thank you.

Jim Pruitt
WA7DUY

On 2/27/2018 7:08 PM, 'Jim Shorney' jshorney@... [DrakeRadio] wrote:
>
>
> Neat idea, but it looks like the cited oscillator module is square
> wave output.
>
> 73
>
> -Jim
> NU0C
>
> On 27 Feb 2018 06:21:55 +0000, cqdew1uo@... [DrakeRadio] wrote:
>
> >
> >Four "Crystals" for $18.
> >
> >https://hayseedhamfest.com/products/ran-technology-four-channel-oscillator-board
>
>
> --
> The universe we're in will reach absolute zero in three hours. Safe is
> relative. - Idris, "The Doctor's Wife"

>
>

43457. Re: [DrakeRadio] TR-7 board extenders FS

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 04:44:31 UTC
From: Dexter Francis
Topic: 43451 Message: 43457

Lee -

I’ll take these if they are still available.

-df (NOYLJ)

> On Feb 27, 2018, at 7:42 PM, MadScientist dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> If they are indeed for a TR7, I will buy them.
>
>
> Gary
>
>
>> On Feb 27, 2018, at 8:28 PM, Kc9cdt@aol.com <mailto:Kc9cdt@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>> I have a set of extenders...I'm pretty sure they are for TR-7......
>>
>> $25 shipped Cont US only
>> 73,
>> Lee
>>
>> Lee Simmonds
>> Summit DCS
>>
>> 260-403-6936 Cell
>>
>
>
>

43458. Re: Drake SPR-4 with the Hagtronics Crystal Eliminator Kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 15:18:20 UTC
From: jonizornes@...
Topic: 43415 Message: 43458

You have to order the oscillators also. $4.10 ea.
https://www.digikey.com/product-detail/en/epson/SGR-8002DC-PHB/SGR-8002DC-PHB-ND/755248
https://www.digikey.com/product-detail/en/epson/SGR-8002DC-PHB/SGR-8002DC-PHB-ND/755248

43459. Re: [DrakeRadio] Re: Drake SPR-4 with the Hagtronics Crystal Eliminator Kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 15:37:16 UTC
From: Jim Pruitt
Topic: 43415 Message: 43459

51 of them? Isn't that what you would need to be equivalent to the FS4 or DDS4 or the Hageman for the SPR4? I thought I counted 61 crystals needed including the 10 stock crystals to cover .15 to 30mhz? Does the W9RAN/Hayseed module have a 51 position option as I could have sworn it said 4 positions or modules.

Thank you.

Jim Pruitt
WA7DUY

On 2/28/2018 7:18 AM, jonizornes@... [DrakeRadio] wrote:
>
> You have to order the oscillators also. $4.10 ea.
>
> https://www.digikey.com/product-detail/en/epson/SGR-8002DC-PHB/SGR-8002DC-PHB-ND/755248
>

43460. Re: Drake SPR-4 with the Hagtronics Crystal Eliminator Kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 15:44:17 UTC
From: jonizornes@...
Topic: 43415 Message: 43460

Hi Jim, no I was replying to toonafishy's post about the RAN 4 CH OSC for 18$. You have to order the 4 oscillators separately for 4.10 each. It would be crazy to order all the xtals for the SPR-4, lol

43461. Re: Drake SPR-4 with the Hagtronics Crystal Eliminator Kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 16:12:30 UTC
From: garywinblad@...
Topic: 43415 Message: 43461

See my photo album:
WB6OGD's FS-4A+

I built my own crystal eliminator several years ago, cost maybe $50. Its pretty cool to have another
general coverage rig.

I used a PIC microcontroller and an Si570 oscillator. The CMOS version Si570 seemed to have the
perfect output level, yes its a rounded square wave but the Drake filtering takes care of harmonics.
I couldn't tell any difference between an original crystal and my box.

I called it a FS-4A+ because Drake never made an A version and mine included additional features:
Displayed Band/Preselector settings
Digital dial
Frequency lock (worked like a Huff and Puff stabilizer but without PTO mod)
Covered ALL possible bands (forbidden ranges, correct 30meters, AM broadcast band down to about 1200KHz)

I plan to build another version someday but using an Arduino and an Si5351 module which will be
much easier and cheaper. The PIC coding was VERY complicated.
73,
Gary
WB6OGD

43462. Re: Drake SPR-4 with the Hagtronics Crystal Eliminator Kit

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 16:23:26 UTC
From: jonizornes@...
Topic: 43415 Message: 43462

Gary, how do I get to your photo album? Do you have any documentation on you FS-4A+ ?

43463. L4B soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 18:04:09 UTC
From: Brian Smith
Topic: 43463 Message: 43463

Is the soft key kit necessary/highly recommended for a Kenwood TS-690?

Brian Smith

43464. Re: [DrakeRadio] L4B soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 18:13:11 UTC
From: Steve Wedge
Topic: 43463 Message: 43464

Brian, do you mean soft start? That kit is independent of the type of exciter. It brings up the power supply more slowly to increase the life of the power supply components when the amp is powered up.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Feb 28, 2018, at 13:04, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Is the soft key kit necessary/highly recommended for a Kenwood TS-690?
>
> Brian Smith
>

43465. Re: [DrakeRadio] L4B soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 18:19:50 UTC
From: Brian Smith
Topic: 43463 Message: 43465

There is a soft key kit that lowers the voltage on the keying line to the xcvr from 24-27VDC to about 1VDC. It’s item SK-401 on the Harbach website.

I do plan to add the soft start kit but saw the soft KEY kit and wondered if I should do that too

Brian Smith

> On Feb 28, 2018, at 12:13 PM, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Brian, do you mean soft start? That kit is independent of the type of exciter. It brings up the power supply more slowly to increase the life of the power supply components when the amp is powered up.
>
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly sophisticated software.
>
>> On Feb 28, 2018, at 13:04, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>> Is the soft key kit necessary/highly recommended for a Kenwood TS-690?
>>
>> Brian Smith
>
>

43466. Re: [DrakeRadio] L4B soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 18:20:47 UTC
From: Brian Smith
Topic: 43463 Message: 43466

https://harbachelectronics.com/shop/drake/sk-401-soft-key-keying-interface/

Brian Smith

> On Feb 28, 2018, at 12:13 PM, Steve Wedge steve27302@gmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Brian, do you mean soft start? That kit is independent of the type of exciter. It brings up the power supply more slowly to increase the life of the power supply components when the amp is powered up.
>
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly sophisticated software.
>
>> On Feb 28, 2018, at 13:04, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>> Is the soft key kit necessary/highly recommended for a Kenwood TS-690?
>>
>> Brian Smith
>
>

43467. Re: [DrakeRadio] L4B soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 18:43:58 UTC
From: Evan
Topic: 43463 Message: 43467

Brian,

I've installed the HamGadgets UKA-3 in several Drake linears and they work great and are inexpensive. Installation in the L4B and L7 are documented in the Forums page at WB4HFN website.

73,

Evan, K9SQG

-----Original Message-----
From: Brian Smith k9bps@...m [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Wed, Feb 28, 2018 1:06 pm
Subject: [DrakeRadio] L4B soft key

Is the soft key kit necessary/highly recommended for a Kenwood TS-690?

Brian Smith

43468. TR-7 board extenders...NOT

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 20:27:56 UTC
From: Kc9cdt@...
Topic: 43468 Message: 43468

Group, I thought these were for TR-7 but they are not...it says hp on them, so I guess they are for working on HP test equipment...
Thanks to Gary for helping me find that out....
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43469. Re: [DrakeRadio] Drake R4B Function Switch

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 21:14:15 UTC
From: Kc9cdt@...
Topic: 43328 Message: 43469

Joe,
I have a NOS new style R4 function switch FS....
This adds a real on/off switch to the function switch instead of using the phenelic type switch.
$70 shipped .
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: k3jls@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Wed, Feb 21, 2018 7:32 pm
Subject: [DrakeRadio] Drake R4B Function Switch

Hello folks.

Was wondering if anyone had an R4 function switch they'd care to sell. I bit the bullet and removed the switch from the chassis. While the ball bearings (one or more - dunno) are missing ans nowhere in the radio, it looks like their carrier is missing, as well. It would appear that the individual who sold me the radio knew about this and covered it up. We've all heard the same excuse - 'worked fine before I shipped it'.

Anyway, if someone has one, pls let me know before I put this thing back together again.

73's - Joe - K3JLS

43470. Re: [DrakeRadio] L4B soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 22:08:37 UTC
From: Paul Kraemer
Topic: 43463 Message: 43470

Brian
If you plan to add my ES4L4B sold by Harbach it already has soft key and adjustable operating bias plus the soft start.
Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com
Sent: Wednesday, February 28, 2018 12:19 PM
To: DrakeRadio@yahoogroups.com ; Steve Wedge
Subject: Re: [DrakeRadio] L4B soft key

There is a soft key kit that lowers the voltage on the keying line to the xcvr from 24-27VDC to about 1VDC. It’s item SK-401 on the Harbach website.

I do plan to add the soft start kit but saw the soft KEY kit and wondered if I should do that too

Brian Smith

On Feb 28, 2018, at 12:13 PM, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Brian, do you mean soft start? That kit is independent of the type of exciter. It brings up the power supply more slowly to increase the life of the power supply components when the amp is powered up.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

On Feb 28, 2018, at 13:04, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Is the soft key kit necessary/highly recommended for a Kenwood TS-690?

Brian Smith

43471. Re: [DrakeRadio] L4B soft key

Yahoo group: DrakeRadio (2018)
Date: 2018-02-28 22:10:17 UTC
From: Kc9cdt@...
Topic: 43463 Message: 43471

Yes...I have that mod and it is great!
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: 'Paul Kraemer' elespe@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Brian Smith <k9bps@...>
Sent: Wed, Feb 28, 2018 5:08 pm
Subject: Re: [DrakeRadio] L4B soft key

Brian
If you plan to add my ES4L4B sold by Harbach it already has soft key and adjustable operating bias plus the soft start.
Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com
Sent: Wednesday, February 28, 2018 12:19 PM
To: DrakeRadio@yahoogroups.com ; Steve Wedge
Subject: Re: [DrakeRadio] L4B soft key

There is a soft key kit that lowers the voltage on the keying line to the xcvr from 24-27VDC to about 1VDC. It’s item SK-401 on the Harbach website.

I do plan to add the soft start kit but saw the soft KEY kit and wondered if I should do that too

Brian Smith

On Feb 28, 2018, at 12:13 PM, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Brian, do you mean soft start? That kit is independent of the type of exciter. It brings up the power supply more slowly to increase the life of the power supply components when the amp is powered up.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

On Feb 28, 2018, at 13:04, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Is the soft key kit necessary/highly recommended for a Kenwood TS-690?

Brian Smith

43472. Trying to locate c-139 on a tr4

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 01:06:48 UTC
From: johng101501@...
Topic: 43472 Message: 43472

Can anyone tell me where c-139 is located on an older tr4. serial23798 I do not have Gareys cd for this one- Thanks John

43473. Re: [DrakeRadio] Trying to locate c-139 on a tr4

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 01:17:13 UTC
From: VE7PS
Topic: 43472 Message: 43473

John:

Garey's CD's make it easy!

Between V18 and and T15 there is a small vertically mounted board. It's
the larger 0.47uf/200v cap (black body/white ends) on that board.

73

Peter
VE7PS

On 2/28/2018 5:06 PM, johng101501@... [DrakeRadio] wrote:
>
> Can anyonetell me where c-139 is located on an older tr4. serial23798
> I do not have Gareys cd for this one- Thanks John
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

43474. Re: [DrakeRadio] Trying to locate c-139 on a tr4

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 01:20:10 UTC
From: john g
Topic: 43472 Message: 43474

Thank you my friend- id love to have a copy of that 73,s John

On ☐Wednesday☐, ☐February☐ ☐28☐, ☐2018☐ ☐08☐:☐17☐:☐28☐ ☐PM☐ ☐EST, VE7PS ve7ps@telus.net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

John:

Garey's CD's make it easy!

Between V18 and and T15 there is a small vertically mounted board. It's the larger 0.47uf/200v cap (black body/white ends) on that board.

73

Peter
VE7PS

On 2/28/2018 5:06 PM, johng101501@... [DrakeRadio] wrote:

Can anyone tell me where c-139 is located on an older tr4. serial23798 I do not have Gareys cd for this one- Thanks John

| | Virus-free. www.avg.com |

43475. RE: [DrakeRadio] Trying to locate c-139 on a tr4

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 02:50:33 UTC
From: Joe
Topic: 43472 Message: 43475

Making a copy and giving or selling it, would be the theft of a work of art. (Yes, it is considered ‘art’.)

With that in mind, the asking or hinting of such a request, is absolutely forbidden in this group.

(What you do privately, is of no concern to the operation of DrakeRadio, however, please, let your conscience be your guide.)

Now, as I understand it, Garey’s widow is going to continue offering the CD’s. I have not called her, out of respect of Garey’s passing, but I will in short order and see how she wants to proceed.

I will post that information as it becomes known to me.

Thanks for understanding gang!

Joe Wolfe – W7RKN

Moderator

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Trying to locate c-139 on a tr4

Thank you my friend- id love to have a copy of that 73,s John

43477. Drake crystals FS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 04:03:21 UTC
From: Kc9cdt@...
Topic: 43477 Message: 43477

I have the following crystals FS:

QTY Freq.

4 12.6
1 20.6
4 21.1
1 22.6
2 26.1
1 27.6
1 28.6
1 29.1
1 35.6
1 38.1
5 39.1
3 40.1
1 40.6

26 total

$15 EACH OR......$250 for all (that's less than 10 each)

First come first serve....
Thanks,
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43478. MANY Drake PARTS for sale....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 15:58:48 UTC
From: Kc9cdt@...
Topic: 43478 Message: 43478

Hi everyone,
I used to buy/restore collect lots of Drake.
Now I just have my TR-4 and L-4B....so all the parts I have been hoeding are being made available to all you.

Here is the long list.
If you want 1 or more items just e-mail off list and give me the number(s) you want...I will figure shipping and let you know the total.

If there is any question or we need to be sure what an item is....let me know and we will work it out together. Photos can be provided, of course. As we go I will do my best to inform as to what is still available. I hope you all can take advantage of this as the folks on here have been so much help over the years...I want you to have first dibs on this stuff, before e-bay. It's a long list...look carefully so you don't miss something you want...HI, HI...

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

1) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $70.
2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $70.
3) Replacement snap switch NOS for R4 function switch (This is the one that goes on the back of the F. switch).....$30
4) 8 KC AM filter for R-4C (5645KC)...$60.
5) 1.5 KC 2nd IF crystal filter for R-4C (5695KC)....$40
6) 2.4KC internal crystal filter @ 5695kc....$20
7) Knob for L-4B or MN-2000 WITH white line NOS.....$15.
8) Knob for L-4B or MN-2000 No white line NOS....$15
9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
10) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
11) New bottem cover for AC-4 PS....$5
12) New Plate meter for TR-4 etc....P/N 358-0160....$45
13) New Plate meter for TR-4 etc....P/N 358-0160....$45
14) New S meter for R4 rcvr P/N 358-0130......$45
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
17) New transformer P/N 369-0170, not sure if its audio out or what.....$25.
18) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
19) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30

20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$20
23) 2 3-500Z metal plate cap excellent P/N 467-1026....$30
24) 3 R-4C filter hold down brackets NOS....$20
25) New plug in relay for TX ......$25 (I think all these are Drake P/N 362-0010)
26) New plug in relay for TX $25
27) New plug in relay for TX $25
28) USED plug in relay for TX (marked works fine needs cleaning......$10
29) Brand new Astatic D-104 Mic element......$30
30) Brand new Astatic D-104 Mic element......$30
31) Excellent 4C line main tuning knobs with METAL finger hole/spinner...$30 (may be NOS)
32) Excellent 4C line main tuning knobs with METAL finger hole/spinner...$30 (may be NOS)
33) 2 4C line main tuning knob skirts....$15
34) 2 4C line main tuning knob skirts....$15
35) 2 4C line main tuning knob skirts....$12
36) 2 4C line main tuning knob skirts....$12
37) 2 New A/B line main tuning knob skirts THESE HAVE THE 0-20 MARKINGS....$20
38) 8 Drake cable tag strips (lots of tags on eac, 1 full one, these are the yellow tags....10
39) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
41) 3 R-4C filter hold down brackets, used...$15
42) 4 plastic tapered feet for 4 line NOS.....$8
43) 4 plastic tapered feet for 4 line NOS.....$8
44) 4 plastic tapered feet for 4 line NOS.....$8
45) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10
46) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10
47) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10
48) 1 90 angle mic plug (3/16") NOS...$15
49) 1 NOS AC-4 cable plug (cinch).....$15
50) 1 NOS AC-4 cable plug (cinch).....$15
51) 2 L-4B -- AC-4 2 pin relay connectors (plastic 2 pin connectors) (hard to find)...$15
52) 7 R-4C plastic standoff/snapons for mounting NB....$12
53) 2 plastic side plates for TR-7 series cabinets (I think that is what these are, P/N 345-5000L...$10
54) 1 TR-7 knob P/N 445-4008 bandswitch markings.....$30
55) 8 used pulls nixi tubes digital readout for TR-7 I think...unknow operating condition...$8
56) 1 C line dual dial main tuning disks, with spare 2 gear gear set.....Great condition no warps.....$50
57) 2 Band Switch SET's marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$50 EACH
These are NOS, not used...look up P/N if don't know which unit its for.
58) 8 black cabinet screw with regular screwdriver slot....$5

59) 12 black cabinet screws with phillips head (nice no slip)....$10
60) 12 black cabinet screws with phillips head (nice no slip)....$10
61) 5 Neon bulbs for VFO light that shows which VFO (RX/TX) is in control...$15
62) 1 D-104 HEAD ONLY in near perfect condition with bad element (I have elements for sale here on list)....$20
63) 1 Speaker for MS-4 works great.....$20
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
66) 8 Push on style standard BAR knobs in excellent shape......$4
67) 46 Screw on style standard BAR knobs NOS or excellent cond.......$2 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$30
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$30
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$30
71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$20
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$5
73) 2 pieces blue lense plastic for dial 3" x 6"....$2
74) 2 bulbs (fuse??) P/N 347-0161...$10
75) 2 NEW 4 segment RED LED display units (total 8 digits...TR-7??...P/N 308-0022...$40
76) 2 NEW 2 Segment RED LED display units (total 4 digits)..TR-7??...P/N 308-0021...$30
77) 1 New Jerset Semiconductor 2N2430....NOS...$10
78) 3 New Jerset Semiconductor 2N2926....NOS...$30
79) 2 New Jerset Semiconductor 2N3638....NOS...$20

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.

Thanks,
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43479. Many Drake parts..addtional infomation

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 16:09:17 UTC
From: Kc9cdt@...
Topic: 43479 Message: 43479

Hey guys forgot to mention....anyone wanting multiple items...I will entertain a discount. And of course will combine shipping and try to keep it as low as possible...
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43480. T-4XC Transceive Switch Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 17:52:17 UTC
From: phyoung@...
Topic: 43480 Message: 43480

I've got a T-4XC whose transceive switch is either worn out, needs tightening, or is missing a detent ball, or something. I tried tightening the switch with a very skinny wrench but the movement is still loose. Any else to try before replacing it? The contacts are fine, BTW.

43481. Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 19:16:12 UTC
From: Richard Knoppow
Topic: 43481 Message: 43481

There has been some discussion about continuing these. I
think as a group who appreciate Drake equipment and Garey's work
we should make an attempt to see to it they continue to be
available.
My idea is that something should be organized to take over
the production and distribution of the discs, assuming his family
does not want to do this, that some arrangement with the family
be made to either purchase the rights outright or to pay them a
royalty. Garey had a unique range of knowledge which is not
duplicated but its possible that others here could further the
discs with our collective knowledge and experience.
I don't have specific ideas as to how to go about this so I
am throwing this out to see if others, who might have some
background in publishing, etc., might have suggestions.
--
Richard Knoppow
1oldlens1@...
WB6KBL

43482. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 20:17:14 UTC
From: Brian Smith
Topic: 43481 Message: 43482

Maybe they could be hosted on a website, I could purchase what I want via PayPal and be issued a key to download the files I want. Just a thought. I don’t know how to set up such a system though.

I would be interested in the CD covering the L4-B if something is figured out

Brian Smith

> On Mar 1, 2018, at 1:16 PM, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> There has been some discussion about continuing these. I
> think as a group who appreciate Drake equipment and Garey's work
> we should make an attempt to see to it they continue to be
> available.
> My idea is that something should be organized to take over
> the production and distribution of the discs, assuming his family
> does not want to do this, that some arrangement with the family
> be made to either purchase the rights outright or to pay them a
> royalty. Garey had a unique range of knowledge which is not
> duplicated but its possible that others here could further the
> discs with our collective knowledge and experience.
> I don't have specific ideas as to how to go about this so I
> am throwing this out to see if others, who might have some
> background in publishing, etc., might have suggestions.
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
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> Yahoo Groups Links
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43483. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 20:28:39 UTC
From: Steve Wedge
Topic: 43481 Message: 43483

I like the idea, Richard. I think I saw that someone else was going to contact Garey's widow after a period of time.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Thu, Mar 1, 2018 at 2:16 PM, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

> There has been some discussion about continuing these. I
> think as a group who appreciate Drake equipment and Garey's work
> we should make an attempt to see to it they continue to be
> available.
> My idea is that something should be organized to take over
> the production and distribution of the discs, assuming his family
> does not want to do this, that some arrangement with the family
> be made to either purchase the rights outright or to pay them a
> royalty. Garey had a unique range of knowledge which is not
> duplicated but its possible that others here could further the
> discs with our collective knowledge and experience.
> I don't have specific ideas as to how to go about this so I
> am throwing this out to see if others, who might have some
> background in publishing, etc., might have suggestions.
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
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43484. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 20:32:16 UTC
From: Richard Knoppow
Topic: 43481 Message: 43484

FWIW, the L4B manual is in the B line disc along with some tips.

On 3/1/2018 12:17 PM, Brian Smith wrote:
> Maybe they could be hosted on a website, I could purchase what I want via PayPal and be issued a key to download the files I want. Just a thought. I don?t know how to set up such a system though.
>
> I would be interested in the CD covering the L4-B if something is figured out
>
> Brian Smith

--
Richard Knoppow
1oldlens1@...
WB6KBL

43485. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 20:36:46 UTC
From: Richard Knoppow
Topic: 43481 Message: 43485

This seems to have become a common method of distributing all
sorts of sofware and stuff like instruction books. It does not
require the burning of physical discs. I also do not know how to
set up a PayPal sellers account but it can't be too difficult.
For the fee one gets to download with perhaps some limit on the
number of times. One could contact someone like Dave at Artek,
who sells Hewlett-Packard manuals. His stuff is all on line.

On 3/1/2018 12:17 PM, Brian Smith wrote:
> Maybe they could be hosted on a website, I could purchase what I want via PayPal and be issued a key to download the files I want. Just a thought. I don?t know how to set up such a system though.
>
> I would be interested in the CD covering the L4-B if something is figured out
>
> Brian Smith
>
>> On Mar 1, 2018, at 1:16 PM, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>> There has been some discussion about continuing these. I
>> think as a group who appreciate Drake equipment and Garey's work
>> we should make an attempt to see to it they continue to be
>> available.
>> My idea is that something should be organized to take over
>> the production and distribution of the discs, assuming his family
>> does not want to do this, that some arrangement with the family
>> be made to either purchase the rights outright or to pay them a
>> royalty. Garey had a unique range of knowledge which is not
>> duplicated but its possible that others here could further the
>> discs with our collective knowledge and experience.
>> I don't have specific ideas as to how to go about this so I
>> am throwing this out to see if others, who might have some
>> background in publishing, etc., might have suggestions.
>> --
>> Richard Knoppow
>> 1oldlens1@...
>> WB6KBL
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Richard Knoppow
1oldlens1@...
WB6KBL

43486. Re: [DrakeRadio] Garey's Obituary

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 20:48:03 UTC
From: William Stevens
Topic: 42927 Message: 43486

I hope Garey is welcomed by the lord and radio gods for he has earned his reward...i consider myself fortunate to have met garey about 10 years ago .i was on the other drake list and was looking for a TR-4C and after some discussion about the rigs he invited me down to his home in Glen Allen VA. My wife and i drove down from Maryland and met with him and his wife Carol. he could have been more gracious and helpful..i was buying a TR-4C and a RV4 from his collection and what a collection it was ...the garage was full of boat anchors of all types and the upstairs room was his shop/shack with emaculate drakes of which i now own and use. We talked about our stints of service in the MARS system and our military days then he and his wife took us out for dinner which was quite enjoyable and seeings as it was one of my best contacts,(eyeball QSO) We felt honored!!

I know about falls i am 68 and fell down the stairs last spring but fortunately it was feet first but i still broke 2 ribs and needed PT for weeks but Im lucky ......
NUFF said
Bill
WB2UFC

On Mon, Feb 26, 2018 at 1:04 AM, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

> Thank you Chris, this is about what I remembered but I think
> he may have sent me more detail, at least about how much time he
> spent in dialysis. Falling at our age and broken bones is not
> trivial.
>
> On 2/25/2018 2:19 PM, vacuuminded2 wrote:
> > This are the turn of events as of March 31, 2017:
> >
> >
> > "I broke my leg in April, went into the hospital, fixed the leg,
> > went through rehab, and went home. Getting around ok with a
> > walker in the house, (wheelchair won't fit through any of the
> > doors!,) and after a little home health rehab to finish up, was
> > 'ok'. Then one day I got overconfident and tried to get up to
> > my walker from my rolling desk chair. Of course 'this time' I
> > only got about halfway up and tried to sit back down. Bumped the
> > chair which shot across the room, and sat on the floor hard!
> > Messed up L3 in my spine..... Developed an infection, did an
> > eight week course of antibiotics. After over a month in bed, so
> > back to rehab. Actually stood up the other day, for a whole
> > minute, for the first time in three months. Muscles are jelly.
> >
> > So I'm stuck in this hospital bed, using an iPad (!), and

> > fighting to get back on my feet, hopefully....."
> >
> > Perhaps someone else knows what happened from then on, but here's
> > how it started, apparently in April, 2016.
> >
> > There are simply no words. :(
> >
> > Regards,
> > Chris kc9ieq
>
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
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43487. [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 20:55:19 UTC
From: Joe
Topic: 43481 Message: 43487

Got that part covered, I just want to wait until after Garey's celebration of life next week, before I contact his widow.

IF she gives me (us) the go ahead, I will create a sales entity on eBay (Or any other general access location) where the CD's can be purchased. Then when confirmation of purchase is received, a special URL and download key will be sent, The purchaser will then go to that URL, enter his key(Usually as a password) and be able to download the manual. I am going to try and get a full set of manual for myself and then copy the disk art. Then I can send the CD/DVD ready image to the purchaser of that manual, to put on the disk he creates.

I don't remember how Garey did the download version, whether a purchaser downloaded the manual as a big zip file, or as an ISO. The ISO is the best way to go, but the purchaser would have to have a way of putting the files on the ISO image onto a disk. I *believe* I saw at one time, a free software ISO reader/burner that I could include on each sale.

Again gang, let's let his widow get through the next few weeks without any of us hammering her about the manuals.

Thanks!

Joe Wolfe - W7RKN
Moderator

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Garey Barrell's CDs

This seems to have become a common method of distributing all sorts of sofware and stuff like instruction books. It does not require the burning of physical discs. I also do not know how to set up a PayPal sellers account but it can't be too difficult.
For the fee one gets to download with perhaps some limit on the number of times. One could contact someone like Dave at Artek, who sells Hewlett-Packard manuals. His stuff is all on line.

On 3/1/2018 12:17 PM, Brian Smith wrote:
> Maybe they could be hosted on a website, I could purchase what I want via PayPal and be issued a key to download the files I want. Just a thought. I don't know how to set up such a system though.
>
> I would be interested in the CD covering the L4-B if something is
> figured out
>
> Brian Smith

>
>> On Mar 1, 2018, at 1:16 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>> There has been some discussion about continuing these. I think
>> as a group who appreciate Drake equipment and Garey's work we should
>> make an attempt to see to it they continue to be available.
>> My idea is that something should be organized to take over the
>> production and distribution of the discs, assuming his family does
>> not want to do this, that some arrangement with the family be made to
>> either purchase the rights outright or to pay them a royalty. Garey
>> had a unique range of knowledge which is not duplicated but its
>> possible that others here could further the discs with our collective
>> knowledge and experience.
>> I don't have specific ideas as to how to go about this so I am
>> throwing this out to see if others, who might have some background in
>> publishing, etc., might have suggestions.
>> --
>> Richard Knoppow
>> 1oldlens1@...
>> WB6KBL
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--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

43488. Re: [DrakeRadio] Drake crystals FS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 21:03:26 UTC
From: Bruce
Topic: 43477 Message: 43488

Hello Lee,

Are any of the Drake crystals for any of the WARC bands?

73, Bruce WA8TNC
==========

Kc9cdt@... [DrakeRadio] wrote:

I have the following crystals FS:

QTY Freq.

4 12.6

1 20.6

4 21.1

1 22.6

2 26.1

1 27.6

1 28.6

1 29.1

1 35.6

1 38.1

5 39.1

3 40.1

1 40.6

26 total

$15 EACH OR.....$250 for all (that's less than 10 each)

First come first serve....

Thanks,

73,

Lee

Lee Simmonds

Summit DCS

260-403-6936 Cell

43489. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 21:13:06 UTC
From: Stan McIntosh
Topic: 43481 Message: 43489

>>> Maybe they could be hosted on a website, I could purchase what I want via PayPal and be issued a key to download the files I want. Just a thought. I don’t know how to set up such a system though.

When I bought the 'CD' I got a link and clicked on it to download. I *hope* I still have that hard drive securely stored, but I also put a copy on my Google drive. So, Garey did have a system set up for not distributing physical CDs.

73
Stan
KD4BTH

43490. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 21:57:00 UTC
From: Jim Shorney
Topic: 43481 Message: 43490

Most of the current "modern" operating systems can mount an ISO file as a virtual drive or burn it to optical media natively, and there are dozens of utils out there for the older systems. Two free burner programs I have used are CDBurnerXP and Infrarecorder. They handle ISO files well.

73

-Jim
NU0C

On Thu, 1 Mar 2018 12:55:19 -0800, Joe w7rkn.7@... [DrakeRadio] wrote:

>I don't remember how Garey did the download version, whether a purchaser
>downloaded the manual as a big zip file, or as an ISO. The ISO is the best
>way to go, but the purchaser would have to have a way of putting the files
>on the ISO image onto a disk. I *believe* I saw at one time, a free
>software ISO reader/burner that I could include on each sale.

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"

43491. Re: T-4XC Transceive Switch Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 00:29:49 UTC
From: phyoung@...
Topic: 43480 Message: 43491

I'm a first-time poster, don't know what happened to the rest of the message. Any recommendations or advice is appreciated.

On another topic, I was saddened to hear of Garrey's passing. I think I joined this group the day after he became an SK. I downloaded the Drake C Service CD months ago and his work was all through it, very high-quality photos and all. A labor of love judging by the quality and as far as I can tell, this is entirely his work. He must have been quite a gentleman.
73,
Pete Young, K3IN

43492. Need some help identifying this Drake dial assembly please.....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 00:41:42 UTC
From: Kc9cdt@...
Topic: 43492 Message: 43492
Attachments: 1 described; binary payloads are missing from this source WARC

Here is a nice dual dial asm I have FS....but I'm not sure what it goes on...I thought R-4C, but it has some red markings too.,,
photo attached...
Please someone , what radio is it for??
Many thanks.
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43493. Re: [DrakeRadio] Need some help identifying this Drake dial assembly please.....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 01:18:02 UTC
From: VE7PS
Topic: 43492 Message: 43493

SPR-4, FCC version. The red markings show the CB channels.

Just learned this a few days ago! Great timing!

73
Peter
VE7PS

On 3/1/2018 4:41 PM, Kc9cdt@... [DrakeRadio] wrote:
>
> Here is a nice dual dial asm I have FS....but I'm not sure what it
> goes on...I thought R-4C, but it has some red markings too.,,
>
> photo attached...
> Please someone , what radio is it for??
> Many thanks.
> Lee
>
> Lee Simmonds
> Summit DCS
> 260-403-6936 Cell
>

This email has been checked for viruses by AVG.
http://www.avg.com

43494. Re: [DrakeRadio] Need some help identifying this Drake dial assembly please.....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 01:23:25 UTC
From: Steve Wedge
Topic: 43492 Message: 43494

Just saw this. SPR-4 FCC version for monitoring CB channels.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 1, 2018, at 20:18, VE7PS ve7ps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> SPR-4, FCC version. The red markings show the CB channels.
>
> Just learned this a few days ago! Great timing!
>
> 73
> Peter
> VE7PS
>
>> On 3/1/2018 4:41 PM, Kc9cdt@aol.com [DrakeRadio] wrote:
>>
>> Here is a nice dual dial asm I have FS....but I'm not sure what it goes on...I thought R-4C, but it has some red markings too.,,
>>
>> photo attached...
>> Please someone , what radio is it for??
>> Many thanks.
>> Lee
>>
>> Lee Simmonds
>> Summit DCS
>>
>> 260-403-6936 Cell
>
>
> Virus-free. www.avg.com
>

43495. Re: [DrakeRadio] Re: T-4XC Transceive Switch Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 01:24:53 UTC
From: Steve Wedge
Topic: 43480 Message: 43495

That, indeed, he was.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 1, 2018, at 19:29, phyoung@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I'm a first-time poster, don't know what happened to the rest of the message. Any recommendations or advice is appreciated.
>
> On another topic, I was saddened to hear of Garrey's passing. I think I joined this group the day after he became an SK. I downloaded the Drake C Service CD months ago and his work was all through it, very high-quality photos and all. A labor of love judging by the quality and as far as I can tell, this is entirely his work. He must have been quite a gentleman.
> 73,
> Pete Young, K3IN
>
>

43496. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 01:47:14 UTC
From: VE7PS
Topic: 43481 Message: 43496

Brian:

Sorry to disappoint you but there is no specific CD/file package for the L-4B, but I understand from others that Garey may have included the L-4B manual in recent versions of his CD's. He was always adding new stuff to the MISC directory. My early 4C and 4B-line CD's have nothing on the L-4B.

There is LOTS of good info on the L-4B in the Drake Radio archives though, and if you are having problems, just fire a question to the list.

73
Peter
VE7PS

On 3/1/2018 12:17 PM, Brian Smith k9bps@... [DrakeRadio] wrote:
>
> Maybe they could be hosted on a website, I could purchase what I want
> via PayPal and be issued a key to download the files I want. Just a
> thought. I don’t know how to set up such a system though.
>
> I would be interested in the CD covering the L4-B if something is
> figured out
>
> Brian Smith
>
> > On Mar 1, 2018, at 1:16 PM, Richard Knoppow 1oldlens1@...
> [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
> >
> > There has been some discussion about continuing these. I
> > think as a group who appreciate Drake equipment and Garey's work
> > we should make an attempt to see to it they continue to be
> > available.
> > My idea is that something should be organized to take over
> > the production and distribution of the discs, assuming his family
> > does not want to do this, that some arrangement with the family
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> > royalty. Garey had a unique range of knowledge which is not
> > duplicated but its possible that others here could further the
> > discs with our collective knowledge and experience.
> > I don't have specific ideas as to how to go about this so I
> > am throwing this out to see if others, who might have some
> > background in publishing, etc., might have suggestions.
> > --
> > Richard Knoppow
> > 1oldlens1@...

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This email has been checked for viruses by AVG.
http://www.avg.com

43497. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 02:03:09 UTC
From: Mark Alexander
Topic: 43481 Message: 43497

I too am sorry to hear of the loss of Garey. I had just purchased the TR-4 manual on Feb 13. Garey used drop box and once the PayPal payment went through he gave access to the Dropbox folder that had the information in it you paid for.This would be easiest to continue if the email, Dropbox account and Paypal accounts were managed. I don't know how many actually ordered the CD as you kinda need online access to order it anyway, just download it and make your own CD (BurnAware it's free and works great).Just my thoughts.Thanks Garey.N9PPW - Mark

On Thursday, March 1, 2018, 3:57:14 PM CST, 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Most of the current "modern" operating systems can mount an ISO file as a
virtual drive or burn it to optical media natively, and there are dozens of
utils out there for the older systems. Two free burner programs I have used are
CDBurnerXP and Infrarecorder. They handle ISO files well.

73

-Jim
NU0C

On Thu, 1 Mar 2018 12:55:19 -0800, Joe w7rkn.7@... [DrakeRadio] wrote:

>I don't remember how Garey did the download version, whether a purchaser
>downloaded the manual as a big zip file, or as an ISO. The ISO is the best
>way to go, but the purchaser would have to have a way of putting the files
>on the ISO image onto a disk. I *believe* I saw at one time, a free
>software ISO reader/burner that I could include on each sale.

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"

43498. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 02:23:20 UTC
From: Mike Bracey
Topic: 43481 Message: 43498

I have ordered the CD's from Garey and would like to continue to order that way if it were possible.
Mike/KE5YTV

From: "Mark Alexander n9ppw@yahoo.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>; Jim Shorney <jshorney@...m>
Sent: Thursday, March 1, 2018 8:07 PM
Subject: Re: [DrakeRadio] Garey Barrell's CDs

  I too am sorry to hear of the loss of Garey. I had just purchased the TR-4 manual on Feb 13. Garey used drop box and once the PayPal payment went through he gave access to the Dropbox folder that had the information in it you paid for.This would be easiest to continue if the email, Dropbox account and Paypal accounts were managed. I don't know how many actually ordered the CD as you kinda need online access to order it anyway, just download it and make your own CD (BurnAware it's free and works great).Just my thoughts.Thanks Garey.N9PPW - Mark

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virtual drive or burn it to optical media natively, and there are dozens of
utils out there for the older systems. Two free burner programs I have used are
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-Jim
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>I don't remember how Garey did the download version, whether a purchaser
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>way to go, but the purchaser would have to have a way of putting the files
>on the ISO image onto a disk. I *believe* I saw at one time, a free
>software ISO reader/burner that I could include on each sale.

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"

43499. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-01 21:29:43 UTC
From: Torrey Mitchell
Topic: 43481 Message: 43499

3-4 years ago I had misplaced my discs. I went to re-purchase them. I sent Gary the funds and he sent me the online link to a Zip file containing all the content. Did he make any CDs in recent years?

73 Torrey N9PY

> On Mar 1, 2018, at 13:16, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> There has been some discussion about continuing these. I
> think as a group who appreciate Drake equipment and Garey's work
> we should make an attempt to see to it they continue to be
> available.
> My idea is that something should be organized to take over
> the production and distribution of the discs, assuming his family
> does not want to do this, that some arrangement with the family
> be made to either purchase the rights outright or to pay them a
> royalty. Garey had a unique range of knowledge which is not
> duplicated but its possible that others here could further the
> discs with our collective knowledge and experience.
> I don't have specific ideas as to how to go about this so I
> am throwing this out to see if others, who might have some
> background in publishing, etc., might have suggestions.
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
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> Yahoo Groups Links
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43500. Re: [DrakeRadio] Re: T-4XC Transceive Switch Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 02:30:36 UTC
From: Joseph Devonshire
Topic: 43480 Message: 43500

Steve,
If you have posting problems, use Plain Text. I've run into issues a few times and that seems to cure it.
73.Joe AB1YO

On Thursday, March 1, 2018 8:25 PM, "Steve Wedge steve27302@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

  That, indeed, he was.

Steve Wedge, W1ES/4
Sent from my iPhone - the typos have been generated by highly sophisticated software.
On Mar 1, 2018, at 19:29, phyoung@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

  I'm a first-time poster, don't know what happened to the rest of the message. Any recommendations or advice is appreciated.

On another topic, I was saddened to hear of Garrey's passing. I think I joined this group the day after he became an SK. I downloaded the Drake C Service CD months ago and his work was all through it, very high-quality photos and all. A labor of love judging by the quality and as far as I can tell, this is entirely his work. He must have been quite a gentleman.
73,
Pete Young, K3IN

43501. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 03:07:23 UTC
From: Mike Bracey
Topic: 43481 Message: 43501

Yes, Garey was still offering a choice of a disc or a download. That had changed to download only in the last few months as his health declined.
Mike/KE5YTV

From: "Torrey Mitchell torreym@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com; Richard Knoppow <1oldlens1@...>
Sent: Thursday, March 1, 2018 8:29 PM
Subject: Re: [DrakeRadio] Garey Barrell's CDs

3-4 years ago I had misplaced my discs. I went to re-purchase them. I sent Gary the funds and he sent me the online link to a Zip file containing all the content. Did he make any CDs in recent years?

73 Torrey N9PY

> On Mar 1, 2018, at 13:16, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> There has been some discussion about continuing these. I
> think as a group who appreciate Drake equipment and Garey's work
> we should make an attempt to see to it they continue to be
> available.
> My idea is that something should be organized to take over
> the production and distribution of the discs, assuming his family
> does not want to do this, that some arrangement with the family
> be made to either purchase the rights outright or to pay them a
> royalty. Garey had a unique range of knowledge which is not
> duplicated but its possible that others here could further the
> discs with our collective knowledge and experience.
> I don't have specific ideas as to how to go about this so I
> am throwing this out to see if others, who might have some
> background in publishing, etc., might have suggestions.
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
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> Yahoo Groups Links

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43502. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 04:56:39 UTC
From: WB6TNF
Topic: 43481 Message: 43502

I have purchased all but 3 of Garey's CD's. I did ask him about a CD for the L-4B, if one was available now or in the possible future. He told me nothing for the L-4B now or down the road. That was about 1 year ago. Looking back I wish I had bought all of the CD's at once (no discount if I did). I recently bought a mint "C" Line. That is one of the CD's that I do not have. I too will be hoping and praying for there availability.Jim - WB6TNF

43503. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 05:05:00 UTC
From: Evan
Topic: 43481 Message: 43503

Quite a lot of info available for the L4B on the Internet, especially the Drake Forum slides and videos from various Hamventions at the WB4HFN website...

73,

Evan, K9SQG

-----Original Message-----
From: WB6TNF handyjimbo@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: drakeradio <drakeradio@yahoogroups.com>
Sent: Thu, Mar 1, 2018 11:59 pm
Subject: Re: [DrakeRadio] Garey Barrell's CDs

I have purchased all but 3 of Garey's CD's. I did ask him about a CD for the L-4B, if one was available now or in the possible future. He told me nothing for the L-4B now or down the road. That was about 1 year ago. Looking back I wish I had bought all of the CD's at once (no discount if I did). I recently bought a mint "C" Line. That is one of the CD's that I do not have. I too will be hoping and praying for there availability.
Jim - WB6TNF

43504. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 05:09:29 UTC
From: Stan Gammons
Topic: 43481 Message: 43504

Someone on the Collins group told me Garey's widow is going to continue the CD business.

As Joe said, now is not the time to ask her about it. Let's give her and the family some time, then ask.

The manual for the L-4B is on the 4 Line CD. I have that CD and the A Line CD.

73

Stan
KM4HQE

On 03/01/2018 10:56 PM, WB6TNF handyjimbo@... [DrakeRadio] wrote:
> I have purchased all but 3 of Garey's CD's. I did ask him about a CD
> for the L-4B, if one was available now or in the possible future. He
> told me nothing for the L-4B now or down the road. That was about 1
> year ago. Looking back I wish I had bought all of the CD's at once (no
> discount if I did). I recently bought a mint "C" Line. That is one of
> the CD's that I do not have. I too will be hoping and praying for
> there availability.
> Jim - WB6TNF
>

43505. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 07:14:54 UTC
From: Richard Knoppow
Topic: 43481 Message: 43505

The L4B manual is included in my B line CD in the folder
marked "Manuals".

On 3/1/2018 5:47 PM, VE7PS ve7ps@... [DrakeRadio] wrote:
>
>
> Brian:
>
> Sorry to disappoint you but there is no specific CD/file package
> for the L-4B, but I understand from others that Garey may have
> included the L-4B manual in recent versions of his CD's.? He was
> always adding new stuff to the MISC directory.? My early 4C and
> 4B-line CD's have nothing on the L-4B.
>
> There is LOTS of good info on the L-4B in the Drake Radio
> archives though, and if you are having problems, just fire a
> question to the list.
>
> 73
> Peter
> VE7PS
>
> On 3/1/2018 12:17 PM, Brian Smith k9bps@... [DrakeRadio] wrote:
>>
>> Maybe they could be hosted on a website, I could purchase what
>> I want via PayPal and be issued a key to download the files I
>> want. Just a thought. I don?t know how to set up such a system
>> though.
>>
>> I would be interested in the CD covering the L4-B if something
>> is figured out
>>
>> Brian Smith
>>
>> > On Mar 1, 2018, at 1:16 PM, Richard Knoppow
>> 1oldlens1@... [DrakeRadio]
>> <DrakeRadio@yahoogroups.com> wrote:
>> >
>> > There has been some discussion about continuing these. I
>> > think as a group who appreciate Drake equipment and Garey's work
>> > we should make an attempt to see to it they continue to be
>> > available.
>> > My idea is that something should be organized to take over
>> > the production and distribution of the discs, assuming his
>> family

>> > does not want to do this, that some arrangement with the family
>> > be made to either purchase the rights outright or to pay them a
>> > royalty. Garey had a unique range of knowledge which is not
>> > duplicated but its possible that others here could further the
>> > discs with our collective knowledge and experience.
>> > I don't have specific ideas as to how to go about this so I
>> > am throwing this out to see if others, who might have some
>> > background in publishing, etc., might have suggestions.
>> > --
>> > Richard Knoppow
>> > 1oldlens1@...
>> > WB6KBL
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>> > Yahoo Groups Links
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> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
> Virus-free. www.avg.com
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
>
>
> <#DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43506. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 07:16:47 UTC
From: Richard Knoppow
Topic: 43481 Message: 43506

Its also in his TR-4 disc in the folder marked "Manuals".

On 3/1/2018 5:47 PM, VE7PS ve7ps@... [DrakeRadio] wrote:
>
>
> Brian:
>
> Sorry to disappoint you but there is no specific CD/file package
> for the L-4B, but I understand from others that Garey may have
> included the L-4B manual in recent versions of his CD's.? He was
> always adding new stuff to the MISC directory.? My early 4C and
> 4B-line CD's have nothing on the L-4B.
>
> There is LOTS of good info on the L-4B in the Drake Radio
> archives though, and if you are having problems, just fire a
> question to the list.
>
> 73
> Peter
> VE7PS
>
> On 3/1/2018 12:17 PM, Brian Smith k9bps@... [DrakeRadio] wrote:
>>
>> Maybe they could be hosted on a website, I could purchase what
>> I want via PayPal and be issued a key to download the files I
>> want. Just a thought. I don?t know how to set up such a system
>> though.
>>
>> I would be interested in the CD covering the L4-B if something
>> is figured out
>>
>> Brian Smith
>>
>> > On Mar 1, 2018, at 1:16 PM, Richard Knoppow
>> 1oldlens1@... [DrakeRadio]
>> <DrakeRadio@yahoogroups.com> wrote:
>> >
>> > There has been some discussion about continuing these. I
>> > think as a group who appreciate Drake equipment and Garey's work
>> > we should make an attempt to see to it they continue to be
>> > available.
>> > My idea is that something should be organized to take over
>> > the production and distribution of the discs, assuming his
>> family
>> > does not want to do this, that some arrangement with the family

>> > be made to either purchase the rights outright or to pay them a
>> > royalty. Garey had a unique range of knowledge which is not
>> > duplicated but its possible that others here could further the
>> > discs with our collective knowledge and experience.
>> > I don't have specific ideas as to how to go about this so I
>> > am throwing this out to see if others, who might have some
>> > background in publishing, etc., might have suggestions.
>> > --
>> > Richard Knoppow
>> > 1oldlens1@...
>> > WB6KBL
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>> > Yahoo Groups Links
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> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
> Virus-free. www.avg.com
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
>
>
> <#DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43507. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 12:51:09 UTC
From: GALE STEWARD
Topic: 43481 Message: 43507

My B-line and C-line CDs both contain the manual for the L4B. No additional info on the amp is on the CDs.
Stew K3ND

From: "VE7PS ve7ps@telus.net [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com; Brian Smith <k9bps@...>
Sent: Thursday, March 1, 2018 8:47 PM
Subject: Re: [DrakeRadio] Garey Barrell's CDs

#yiv2570746469 #yiv2570746469 -- #yiv2570746469 .yiv2570746469ygrp-photo-title{clear:both;font-size:smaller;min-height:15px;overflow:hidden;text-align:center;width:75px;}#yiv2570746469 div.yiv2570746469ygrp-photo{background-position:center;background-repeat:no-repeat;background-color:white;border:1px solid black;min-height:62px;width:62px;}#yiv2570746469 div.yiv2570746469photo-title a, #yiv2570746469 div.yiv2570746469photo-title a:active, #yiv2570746469 div.yiv2570746469photo-title a:hover, #yiv2570746469 div.yiv2570746469photo-title a:visited {text-decoration:none;}#yiv2570746469 div.yiv2570746469attach-table div.yiv2570746469attach-row {clear:both;}#yiv2570746469 div.yiv2570746469attach-table div.yiv2570746469attach-row div {float:left;}#yiv2570746469 p {clear:both;padding:15px 0 3px 0;overflow:hidden;}#yiv2570746469 div.yiv2570746469ygrp-file {width:30px;}#yiv2570746469 div.yiv2570746469attach-table div.yiv2570746469attach-row div div a {text-decoration:none;}#yiv2570746469 div.yiv2570746469attach-table div.yiv2570746469attach-row div div span {font-weight:normal;}#yiv2570746469 div.yiv2570746469ygrp-file-title {font-weight:bold;}#yiv2570746469 #yiv2570746469

Brian:

Sorry to disappoint you but there is no specific CD/file package for the L-4B, but I understand from others that Garey may have included the L-4B manual in recent versions of his CD's. He was always adding new stuff to the MISC directory. My early 4C and 4B-line CD's have nothing on the L-4B.

There is LOTS of good info on the L-4B in the Drake Radio archives though, and if you are having problems, just fire a question to the list.

73
Peter
VE7PS

43508. Re: [DrakeRadio] Garey Barrell's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 13:12:56 UTC
From: Brian Smith
Topic: 43481 Message: 43508

Ok. Thanks

Brian Smith

> On Mar 2, 2018, at 6:51 AM, GALE STEWARD k3nd@yahoo.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> My B-line and C-line CDs both contain the manual for the L4B. No additional info on the amp is on the CDs.
>
> Stew K3ND
>
>
> From: "VE7PS ve7ps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com; Brian Smith <k9bps@...>
> Sent: Thursday, March 1, 2018 8:47 PM
> Subject: Re: [DrakeRadio] Garey Barrell's CDs
>
>
>
> Brian:
>
> Sorry to disappoint you but there is no specific CD/file package for the L-4B, but I understand from others that Garey may have included the L-4B manual in recent versions of his CD's. He was always adding new stuff to the MISC directory. My early 4C and 4B-line CD's have nothing on the L-4B.
>
> There is LOTS of good info on the L-4B in the Drake Radio archives though, and if you are having problems, just fire a question to the list.
>
> 73
> Peter
> VE7PS
>
>
>

43509. L7 Meters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 17:22:19 UTC
From: <todd@...>
Topic: 43509 Message: 43509

The two meters on my Drake L7 have become discolored from heat and age. They are a brownish color and a little difficult to read. Does anyone have an idea on how I could remedy this problem? My email is todd@...
73,? Todd?; K1TOD

43510. Re: [DrakeRadio] L7 Meters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 18:38:30 UTC
From: MadScientist1948
Topic: 43509 Message: 43510

The plastic covers are yellowed r the white on the meter dial is yellowed?

If it is the plastic covers, soak them in 40 volume percent Hydrogen Peroxide gel (available at beauty supply stores) for a few hours in the oven at 160 degrees F.

Gary

> On Mar 2, 2018, at 11:22 AM, todd@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> The two meters on my Drake L7 have become discolored from heat and age. They are a brownish color and a little difficult to read. Does anyone have an idea on how I could remedy this problem? My email is todd@... <mailto:todd@toddsabin.com>
> 73, Todd K1TOD
>
>
>

43511. Re: [DrakeRadio] L7 Meters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 19:13:25 UTC
From: Torrey Mitchell
Topic: 43509 Message: 43511

I was able disassemble the front panel which allowed me to remove the blue filter material. With the standard #47 bulbs the meters are a pleasant yellow-white tint and very readable.

73 Torrey
Amateur radio N9PY
Sent from my iPhone

> On Mar 2, 2018, at 11:22, todd@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> The two meters on my Drake L7 have become discolored from heat and age. They are a brownish color and a little difficult to read. Does anyone have an idea on how I could remedy this problem? My email is todd@...
> 73, Todd K1TOD
>
>

43512. WTB

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 21:08:56 UTC
From: <w2ssx@...>
Topic: 18578 Message: 43512

WTB TR4CW in excellent condition both cosmetically and electrically.
w2ssx@...

43513. Re: [DrakeRadio] L7 Meters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-02 21:13:10 UTC
From: VE7PS
Topic: 43509 Message: 43513

Todd:

FWIW,

The meters in my L7 are fine, but a couple of years ago I pulled two spares out of storage to have a look at them and was horrified to find the plastic cases/covers had yellowed significantly. They had been wrapped in paper towels, inside a plastic bag, which was inside a box, which was inside a plastic storage bin! Excessive sunlight was definitely NOT the culprit! They were not yellowed when I got them maybe 15 years ago. Maybe something in the paper towels???

I recently restored a Hallicrafters PS-2000 in which the meter cases, covers and scales had yellowed terribly. I was able to polish out MOST of the yellow with the Novus 2 and 3 polishes, but it did not get rid of all of it. One meter did come out looking just fine but the other still had a slight yellowish tinge. It is possible that smoke was the cause, as I do not know much of the history of this SR-2000/PS-2000. The yellowed meter also had a small crack in it the cover. I managed to find two replacement meters on the Bay and used one to replace the bad one. I made the new scales myself. I have yet to try the Novus polishes on the L7 meters but may be worth a try. If that doesn't do it, I'll try Gary's solution-soak trick.

73

Peter
VE7PS

On 3/2/2018 9:22 AM, todd@... [DrakeRadio] wrote:
>
> The two meters on my Drake L7 have become discolored from heat and
> age. They are a brownish color and a little difficult to read. Does
> anyone have an idea on how I could remedy this problem? My email is
> todd@... <mailto:todd@...>
> 73, Todd K1TOD
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

43514. RE: [DrakeRadio] L7 Meters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 00:03:58 UTC
From: <todd@...>
Topic: 43509 Message: 43514

Gary,

This is a discussion I have been having with Terry.

Terry,

I think you are right again. I also have two L7's. The one with serial number 412 has bright white meters (they look like brand new) and was an export model I bought from a ham in Canada. It has the factory 10 meter band on it on the band selector switch. My other L7 that has the meter discoloration is serial number 2434. It has the blue plastic over the meters.

Can you be more specific on the best procedure for removing the blue plastic. I think that is what I am going to do first and then see how they look.

Also I think we should share our discussion with the Drake Group.

73,? Todd? K1TOD

-------- Original Message --------
Subject: Re: [DrakeRadio] L7 Meters
From: Torrey Mitchell <torreym@...>
Date: Fri, March 02, 2018 3:28 pm
To:?todd@...

I don’t think so Todd.
Presently I have 2 L-7 amps. ?One with SN ~ 490 has the bright white meters which I like. ?Sometime shortly after the first 500 amps they went with the blue filter and it “not so white” meters...like my 2nd L-7 SN ~ 1150. ?It was necessary to remove and disassemble the front panel just to gain access to the blue cellophane scotch taped in place in front of the meters.?
?73’s
Torrey
Amateur radio N9PY
Sent from my iPhone

On Mar 2, 2018, at 13:33, <todd@...> <todd@...> wrote:

Torrey,

Good idea. Do you have to pull the meters out from inside the cabinet in order to remove the blue plastic. I just got another L7 that was an export model (Canada and has factory 10 meters on it) that has bright white meters (easy to read). Maybe they just removed the Blue filter material?

73,? Todd

-------- Original Message --------
Subject: Re: [DrakeRadio] L7 Meters
From: Torrey Mitchell <torreym@...>
Date: Fri, March 02, 2018 2:13 pm
To:?DrakeRadio@yahoogroups.com,?todd@toddsabin.com

I was able disassemble the front panel which allowed me to remove the blue filter material. ?With the standard #47 bulbs the meters are a pleasant yellow-white tint and very readable.

73 Torrey?
Amateur radio N9PY
Sent from my iPhone

On Mar 2, 2018, at 11:22,?todd@...m?[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

The two meters on my Drake L7 have become discolored from heat and age. They are a brownish color and a little difficult to read. Does anyone have an idea on how I could remedy this problem? My email is?todd@...m
73,? Todd? K1TOD

-------- Original Message --------
Subject: Re: [DrakeRadio] L7 Meters
From: "MadScientist1948 dukeshifi@... [DrakeRadio]"
<DrakeRadio@yahoogroups.com>
Date: Fri, March 02, 2018 1:38 pm
To: "WB6TNF handyjimbo@... [DrakeRadio]"
<DrakeRadio@yahoogroups.com>, todd <todd@...>

The plastic covers are yellowed r the white on the meter dial is yellowed?

If it is the plastic covers, soak them in 40 volume percent Hydrogen Peroxide gel (available at beauty supply stores) for a few hours in the oven at 160 degrees F.

Gary

On Mar 2, 2018, at 11:22 AM, todd@toddsabin.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

The two meters on my Drake L7 have become discolored from heat and age. They are a brownish color and a little difficult to read. Does anyone have an idea on how I could remedy this problem? My email is?todd@...
73,? Todd? K1TOD

43515. MANY Drake parts...this is what is left...

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 01:41:29 UTC
From: Kc9cdt@...
Topic: 43515 Message: 43515

OK, Updated list based on sales...these are still available:

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $70.

3) Replacement snap switch NOS for R4 function switch (This is the one that goes on the back of the F. switch).....$30
4) 8 KC AM filter for R-4C (5645KC)...$60.
5) 1.5 KC 2nd IF crystal filter for R-4C (5695KC)....$40
6) 2.4KC internal crystal filter @ 5695kc....$20
7) Knob for L-4B or MN-2000 WITH white line NOS.....$15.
8) Knob for L-4B or MN-2000 No white line NOS....$15
9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
10) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
11) New bottem cover for AC-4 PS....$5
12) New Plate meter for TR-4 etc....P/N 358-0160....$45
13) New Plate meter for TR-4 etc....P/N 358-0160....$45
14) New S meter for R4 rcvr P/N 358-0130......$45
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
17) New transformer P/N 369-0170, not sure if its audio out or what.....$25.
20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$20
23) 2 3-500Z metal plate cap excellent P/N 467-1026....$30
24) 3 R-4C filter hold down brackets NOS....$20
26) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
27) New plug in relay for TX $25
28) USED plug in relay for TX (marked works fine needs cleaning......$10
30) Brand new Astatic D-104 Mic element......$30
34) 2 4C line main tuning knob skirts....$15
35) 2 4C line main tuning knob skirts....$12
36) 2 4C line main tuning knob skirts....$12
37) 2 New A/B line main tuning knob skirts THESE HAVE THE 0-20 MARKINGS....$20
40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
41) 3 R-4C filter hold down brackets, used...$15
44) 4 plastic tapered feet for 4 line NOS.....$8
46) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find)

...$10
47) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10
50) 1 NOS AC-4 cable plug (cinch).....$15
51) 2 L-4B -- AC-4 2 pin relay connectors (plastic 2 pin connectors) (hard to find)...$15
52) 7 R-4C plastic standoff/snapons for mounting NB....$12
53) 2 plastic side plates for TR-7 series cabinets (I think that is what these are, P/N 345-5000L...$10
54) 1 TR-7 bandswitch /skirt knob P/N 445-4008 bandswitch markings.....$30 (almost impossible to find)
55) 8 used pulls nixi tubes digital readout for TR-7 I think...unknow operating condition...$8
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$50
These are NOS, not used
60) 12 black cabinet screws with phillips head(nice no slip off)....$10
62) 1 D-104 HEAD ONLY in near perfect condition with bad element (I have elements for sale here on list)....$20
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
67) 46 Screw on style standard BAR knobs NOS or excellent cond.....$2 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$30
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$30
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$30
71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$20
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$5
73) 2 pieces blue lense plastic for dial 3" x 6"....$2
74) 2 bulbs (fuse??) P/N 347-0161...$10
75) 2 NEW 4 segment RED LED display units (total 8 digits...TR-7??...P/N 308-0022...$40
76) 2 NEW 2 Segment RED LED display units (total 4 digits)..TR-7??...P/N 308-0021...$30
77) 1 New Jerset Semiconductor 2N2430....NOS...$10
78) 3 New Jerset Semiconductor 2N2926....NOS...$30
79) 2 New Jerset Semiconductor 2N3638....NOS...$20

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43516. Re: [DrakeRadio] L7 Meters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 02:04:18 UTC
From: Gary Follett
Topic: 43509 Message: 43516

Recall L7 meters looked blue but I had thought that the blue filters cavemen off pretty easily. Maybe 30 years changes that!

Gary

Sent from my iPad

> On Mar 2, 2018, at 6:03 PM, <todd@...> <todd@...> wrote:
>
> Gary,
>
> This is a discussion I have been having with Terry.
>
> Terry,
>
> I think you are right again. I also have two L7's. The one with serial number 412 has bright white meters (they look like brand new) and was an export model I bought from a ham in Canada. It has the factory 10 meter band on it on the band selector switch. My other L7 that has the meter discoloration is serial number 2434. It has the blue plastic over the meters.
>
> Can you be more specific on the best procedure for removing the blue plastic. I think that is what I am going to do first and then see how they look.
>
> Also I think we should share our discussion with the Drake Group.
>
> 73, Todd K1TOD
>
>
>
> -------- Original Message --------
> Subject: Re: [DrakeRadio] L7 Meters
> From: Torrey Mitchell <torreym@...m>
> Date: Fri, March 02, 2018 3:28 pm
> To: todd@...
>
>
> I don’t think so Todd.
> Presently I have 2 L-7 amps. One with SN ~ 490 has the bright white meters which I like. Sometime shortly after the first 500 amps they went with the blue filter and it “not so white” meters...like my 2nd L-7 SN ~ 1150. It was necessary to remove and disassemble the front panel just to gain access to the blue cellophane scotch taped in place in front of the meters.
> 73’s
> Torrey
> Amateur radio N9PY

> Sent from my iPhone
>
>> On Mar 2, 2018, at 13:33, <todd@toddsabin.com> <todd@...> wrote:
>>
>> Torrey,
>>
>> Good idea. Do you have to pull the meters out from inside the cabinet in order to remove the blue plastic. I just got another L7 that was an export model (Canada and has factory 10 meters on it) that has bright white meters (easy to read). Maybe they just removed the Blue filter material?
>>
>> 73, Todd
>>
>>
>>
>>
>> -------- Original Message --------
>> Subject: Re: [DrakeRadio] L7 Meters
>> From: Torrey Mitchell <torreym@...>
>> Date: Fri, March 02, 2018 2:13 pm
>> To: DrakeRadio@yahoogroups.com, todd@...
>>
>> I was able disassemble the front panel which allowed me to remove the blue filter material. With the standard #47 bulbs the meters are a pleasant yellow-white tint and very readable.
>>
>> 73 Torrey
>> Amateur radio N9PY
>> Sent from my iPhone
>>
>>> On Mar 2, 2018, at 11:22, todd@toddsabin.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>>
>>> The two meters on my Drake L7 have become discolored from heat and age. They are a brownish color and a little difficult to read. Does anyone have an idea on how I could remedy this problem? My email is todd@...
>>> 73, Todd K1TOD
>
>>
>
> -------- Original Message --------
> Subject: Re: [DrakeRadio] L7 Meters
> From: "MadScientist1948 dukeshifi@... [DrakeRadio]"
> <DrakeRadio@yahoogroups.com>
> Date: Fri, March 02, 2018 1:38 pm
> To: "WB6TNF handyjimbo@... [DrakeRadio]"
> <DrakeRadio@yahoogroups.com>, todd <todd@...>
>
> The plastic covers are yellowed r the white on the meter dial is yellowed?
>

> If it is the plastic covers, soak them in 40 volume percent Hydrogen Peroxide gel (available at beauty supply stores) for a few hours in the oven at 160 degrees F.
>
> Gary
>
>
>
>> On Mar 2, 2018, at 11:22 AM, todd@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>> The two meters on my Drake L7 have become discolored from heat and age. They are a brownish color and a little difficult to read. Does anyone have an idea on how I could remedy this problem? My email is todd@...
>> 73, Todd K1TOD
>>
>>
>
>

43517. Gary's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 14:38:03 UTC
From: Arnie
Topic: 43517 Message: 43517

Sorry if this is redundant, but where can I find Gary's Drake CDs now that he has left us?
Tnx es 73 de Arnie W8DU

--

43518. Re: [DrakeRadio] Gary's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 14:47:42 UTC
From: Jeffrey Angus
Topic: 43517 Message: 43518

On 3/3/18 8:38 AM, Arnie wrote:
> Sorry if this is redundant, but where can I find Gary's Drake CDs
> now that he has left us?
> Tnx es 73 de Arnie W8DU
The short answer is you can't.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43519. Wanted: C-4 Front Panel

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 15:52:10 UTC
From: michelle_melt@...
Topic: 43519 Message: 43519

Looking for a front panel for the C-4 console, Thanks for looking.

Michelle
WB8QGR
"The Drake Lady"

43520. L4B Harbach soft start

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 17:41:01 UTC
From: Brian Smith
Topic: 43520 Message: 43520
Attachments: 1 described; binary payloads are missing from this source WARC

I’m trying to install the Harbach soft start kit in my L4-B. It says remove the short 1 lug terminal strip at the front, D2, C33, and R5. There are two resistors on the short terminal strip. They go to different spots on the longer terminal strip. Can someone tell me which one is the R5? I believe it’s supposed to be 2.2K according to the wb4hfn website schematic.

43521. L4B

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 17:41:59 UTC
From: Brian Smith
Topic: 10893 Message: 43521

My number is 9208516925 if someone would rather call. Thanks

Brian Smith

43522. Re: [DrakeRadio] L4B Harbach soft start [1 Attachment]

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 18:19:20 UTC
From: Paul Kraemer
Topic: 43520 Message: 43522

Brian
Something looks wrong here. The two resistors appear to be 18k ohm and possibly connected in with the neon indicators (which did not require external resistors as originally built)
I trying to remember the as originally built components you are to remove but they were for the 24vdc power for the relay. A diode, a small electrolytic (maybe 200mfd) and a 2.2k resistor to ground.
Check through (un tangle) the two resistors and neon indicator wires and go from there. You sure don't want to get any of those wires going to the ES4L4B.
Sure makes life interesting trying to write installations and offering assistance for things that have been modified from original!
Paul K0UYA

-----Original Message-----
From: Brian Smith k9bps@... [DrakeRadio]
Sent: Saturday, March 03, 2018 11:41 AM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] L4B Harbach soft start [1 Attachment]

I’m trying to install the Harbach soft start kit in my L4-B. It says remove the short 1 lug terminal strip at the front, D2, C33, and R5. There are two resistors on the short terminal strip. They go to different spots on the longer terminal strip. Can someone tell me which one is the R5? I believe it’s supposed to be 2.2K according to the wb4hfn website schematic.

Posted by: Brian Smith <k9bps@...>

Yahoo Groups Links

Brian Smith

43523. Re: [DrakeRadio] L4B Harbach soft start

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 18:34:05 UTC
From: Brian Smith
Topic: 43520 Message: 43523

Ok so the 18k resistor is going to the amber pilot light over the on/off switch.

The 22k resistor is connected to the brown leaf coming off of the transformer.

Are they necessary and if so where do I need to reconnect them

Brian Smith

> On Mar 3, 2018, at 12:19 PM, 'Paul Kraemer' elespe@lisco.com [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> Brian
> Something looks wrong here. The two resistors appear to be 18k ohm and
> possibly connected in with the neon indicators (which did not require
> external resistors as originally built)
> I trying to remember the as originally built components you are to remove
> but they were for the 24vdc power for the relay. A diode, a small
> electrolytic (maybe 200mfd) and a 2.2k resistor to ground.
> Check through (un tangle) the two resistors and neon indicator wires and go
> from there. You sure don't want to get any of those wires going to the
> ES4L4B.
> Sure makes life interesting trying to write installations and offering
> assistance for things that have been modified from original!
> Paul K0UYA
>
> -----Original Message-----
> From: Brian Smith k9bps@... [DrakeRadio]
> Sent: Saturday, March 03, 2018 11:41 AM
> To: DrakeRadio@yahoogroups.com
> Subject: [DrakeRadio] L4B Harbach soft start [1 Attachment]
>
> I’m trying to install the Harbach soft start kit in my L4-B. It says remove
> the short 1 lug terminal strip at the front, D2, C33, and R5. There are two
> resistors on the short terminal strip. They go to different spots on the
> longer terminal strip. Can someone tell me which one is the R5? I believe it’s
> supposed to be 2.2K according to the wb4hfn website schematic.
>
> Posted by: Brian Smith <k9bps@...>
> ------------------------------------
>
> ------------------------------------
>
> Yahoo Groups Links
>
> Brian Smith
>

>

43524. Re: [DrakeRadio] L4B Harbach soft start

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 19:19:38 UTC
From: Brian Smith
Topic: 43520 Message: 43524
Attachments: 1 described; binary payloads are missing from this source WARC

Here is the photo before I started. Both resistors connect to the right side of the short terminal. The black wire on the top right of the short terminal goes to the ssb/cw pilot light.

The brown lead from the transformer has the 22k resistor in line before it gets to the short terminal. So it looks like the 18k, 22k resistors and the black wire going to the ssb switch have to be connected somewhere. Where would that be?

Brian Smith

> On Mar 3, 2018, at 12:19 PM, 'Paul Kraemer' elespe@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> Brian
> Something looks wrong here. The two resistors appear to be 18k ohm and
> possibly connected in with the neon indicators (which did not require
> external resistors as originally built)
> I trying to remember the as originally built components you are to remove
> but they were for the 24vdc power for the relay. A diode, a small
> electrolytic (maybe 200mfd) and a 2.2k resistor to ground.
> Check through (un tangle) the two resistors and neon indicator wires and go
> from there. You sure don't want to get any of those wires going to the
> ES4L4B.
> Sure makes life interesting trying to write installations and offering
> assistance for things that have been modified from original!
> Paul K0UYA
>
> -----Original Message-----
> From: Brian Smith k9bps@... [DrakeRadio]
> Sent: Saturday, March 03, 2018 11:41 AM
> To: DrakeRadio@yahoogroups.com
> Subject: [DrakeRadio] L4B Harbach soft start [1 Attachment]
>
> I’m trying to install the Harbach soft start kit in my L4-B. It says remove
> the short 1 lug terminal strip at the front, D2, C33, and R5. There are two
> resistors on the short terminal strip. They go to different spots on the
> longer terminal strip. Can someone tell me which one is the R5? I believe it’s
> supposed to be 2.2K according to the wb4hfn website schematic.
>
> Posted by: Brian Smith <k9bps@...>
> ------------------------------------
>
> ------------------------------------
>
> Yahoo Groups Links

>
> Brian Smith
>
>

43525. Re: [DrakeRadio] L4B Harbach soft start

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 20:11:35 UTC
From: Brian Smith
Topic: 43520 Message: 43525

It appears they don’t go to anything else on the short terminal. Should be able to just connect them together and leave it since that’s he way it was before. Right?

Brian Smith

> On Mar 3, 2018, at 12:19 PM, 'Paul Kraemer' elespe@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Brian
> Something looks wrong here. The two resistors appear to be 18k ohm and
> possibly connected in with the neon indicators (which did not require
> external resistors as originally built)
> I trying to remember the as originally built components you are to remove
> but they were for the 24vdc power for the relay. A diode, a small
> electrolytic (maybe 200mfd) and a 2.2k resistor to ground.
> Check through (un tangle) the two resistors and neon indicator wires and go
> from there. You sure don't want to get any of those wires going to the
> ES4L4B.
> Sure makes life interesting trying to write installations and offering
> assistance for things that have been modified from original!
> Paul K0UYA
>
> -----Original Message-----
> From: Brian Smith k9bps@... [DrakeRadio]
> Sent: Saturday, March 03, 2018 11:41 AM
> To: DrakeRadio@yahoogroups.com
> Subject: [DrakeRadio] L4B Harbach soft start [1 Attachment]
>
> I’m trying to install the Harbach soft start kit in my L4-B. It says remove
> the short 1 lug terminal strip at the front, D2, C33, and R5. There are two
> resistors on the short terminal strip. They go to different spots on the
> longer terminal strip. Can someone tell me which one is the R5? I believe it’s
> supposed to be 2.2K according to the wb4hfn website schematic.
>
> Posted by: Brian Smith <k9bps@...>
> ------------------------------------
>
> ------------------------------------
>
> Yahoo Groups Links
>
> Brian Smith
>
>

43526. Re: [DrakeRadio] L4B Harbach soft start

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 20:21:33 UTC
From: Richard Knoppow
Topic: 43520 Message: 43526

Have you traced these out physically to see where they go?
Sometimes not easy but its the sure way of finding out what is
there. It appears from the photo that the resistors and black
wire are connected at the terminal. Where do the other ends go?

On 3/3/2018 12:11 PM, Brian Smith k9bps@... [DrakeRadio] wrote:
>
>
> It appears they don?t go to anything else on the short terminal.
> Should be able to just connect them together and leave it since
> that?s he way it was before. Right?
>
> Brian Smith
>
> On Mar 3, 2018, at 12:19 PM, 'Paul Kraemer' elespe@...
> <mailto:elespe@...> [DrakeRadio]
> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
> wrote:
>
>> Brian
>> Something looks wrong here. The two resistors appear to be 18k
>> ohm and
>> possibly connected in with the neon indicators (which did not
>> require
>> external resistors as originally built)
>> I trying to remember the as originally built components you are
>> to remove
>> but they were for the 24vdc power for the relay. A diode, a small
>> electrolytic (maybe 200mfd) and a 2.2k resistor to ground.
>> Check through (un tangle) the two resistors and neon indicator
>> wires and go
>> from there. You sure don't want to get any of those wires going
>> to the
>> ES4L4B.
>> Sure makes life interesting trying to write installations and
>> offering
>> assistance for things that have been modified from original!
>> Paul K0UYA
>>
>> -----Original Message-----
>> From: Brian Smith k9bps@... <mailto:k9bps@...>
>> [DrakeRadio]
>> Sent: Saturday, March 03, 2018 11:41 AM
>> To: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
>> Subject: [DrakeRadio] L4B Harbach soft start [1 Attachment]

>>
>> I?m trying to install the Harbach soft start kit in my L4-B. It
>> says remove
>> the short 1 lug terminal strip at the front, D2, C33, and R5.
>> There are two
>> resistors on the short terminal strip. They go to different
>> spots on the
>> longer terminal strip. Can someone tell me which one is the R5?
>> I believe it?s
>> supposed to be 2.2K according to the wb4hfn website schematic.
>>
>> Posted by: Brian Smith <k9bps@... <mailto:k9bps@...>>
>> ------------------------------------
>>
>> ------------------------------------
>>
>> Yahoo Groups Links
>>
>> Brian Smith
>>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43527. Re: [DrakeRadio] Tr7. 10T

Yahoo group: DrakeRadio (2018)
Date: 2018-03-03 23:07:06 UTC
From: Ray Collins
Topic: 43379 Message: 43527

blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid !important; padding-left:1ex !important; background-color:white !important; } Went through with a scope, signal appears to be ok right up to the out of pre-driver board. I'm assuming the power amp is wonky. I have a parts unit that has a version 2 pre-driver, condition unknown. The one I'm fixing has a version 1 pre driver. I'm also assuming version 2 is the best choice? Also I tried to get the power amp card off once before, it was stuck and rather than use a hammer and a screwdriver I left it alone.;-) However while I'm in here I should change the caps, is there a screw I'm missing, all the transistors appear to be bolted to the heat sink. I just realized the power transistors are also bolted to the heat sink, so that may have been what was hanging me up. i thought I would just swap the complete pre and power amps and go from there.
Thanks again
Ray VE3BDK

Sent from Yahoo Mail for iPad

On Tuesday, February 27, 2018, 8:47 PM, 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

OK, the service manual is your best friend. The "how sutff works" descriptions do a very good job of explaining just that. The block diagram near the front will show you how the signals flow. If your RX seems to be working to spec that means that most of the RF chain is probably OK. That pretty much leaves the PA brick and TX Exciter board, but don't overlook the TR relay. Do you have a proper power cable? If you are using a PS-7 you should be good, but if not make sure that BOTH positive power pins are connected to +13V. One of them supplies power to the PA brick and the other to everything else.

ALC control is derived from the forward and reverse power sensors on the Low Pass FiIter module. ALC is threshold based and will do nothng until power output reaches the threshold and the green light comes on. Check the RF levels around the PA brick. If you remove the four screws securing it to the right side panel it can be pulled out of the radio far enough for service without disconnecting wires.

73

-Jim
NU0C

On Tue, 27 Feb 2018 20:31:27 +0000 (UTC), Ray Collins raycollins39@... [DrakeRadio] wrote:

>Jim you would be surprised how much I don't know. ;-)) - I read the 10t on the parent board and it appears ok throughout the unit including the ALC board. Tested the mic, it's putting out something. I have a wattmeter and modulation meter on the RF out with a dummy load it shows I'm putting out 5 watts RMS. At a loud level form my voice. I think I can

hear the ALC on receive, in transmit the green LED is not working.
>
>73
>Ray VE3BDK

--
“There’s something out of place – let’s go and poke it with a stick..” – The Doctor, "Amy’s Choice"

Yahoo Groups Links

43528. Need 2-NT T/R Relay

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 00:51:53 UTC
From: wd8rif@...
Topic: 43528 Message: 43528

The T/R relay in my 2-NT has finally given up the ghost. I know it's a stretch, but does someone on this list have an OEM replacement, or a suggestion for a modern replacement?

Tnx es 73,

Eric, WD8RIF
http://wd8rif.com/radio.htm http://wd8rif.com/radio.htm

43529. File - Bi-Weekly Statement

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 01:00:03 UTC
From: DrakeRadio@yahoogroups.com
Topic: 206 Message: 43529

All group members are welcome to post on this message board, so for those that have questions please don't be shy and for those that have answers, please feel free to give advice to others. No one is 'keeping score' (I hope!)

PLEASE use the 'Reply All' function of your e-mail client so replies are posted to the list. A 'Reply' to the original poster ONLY, deprives the rest from seeing an answer, AND greatly diminishes the value of the List archives.

For those of you that have not introduced yourself we welcome you to do so and please feel free to upload your station pictures to the photos section of our group's home page, as well as links to Drake information or your homepage.

Just a word of advice for R-7 / TR-7 owners 'with a problem'. I estimate that 90% of 'failures' in these units are caused by minor oxidation of a switch, the card and/or cable connectors. Whether it's a problem that just shows up at turn-on, -OR-, after the unit has been unused for a while, DeoxIT'ing switches and just re-seating cards and connectors will often get it going again. If not, you know where we are!

73, Garey - K4OAH

43530. Re: [DrakeRadio] Need 2-NT T/R Relay

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 01:27:54 UTC
From: Jim Wiley
Topic: 43528 Message: 43530

Can you take a couple of pictures and post them here? I suspect the
relay is a standard unit, made by potter-brumfield or similar.

- Jim, KL7CC

On 3/3/2018 3:51 PM, wd8rif@... [DrakeRadio] wrote:
>
> The T/R relay in my 2-NT has finally given up the ghost. I know it's a
> stretch, but does someone on this list have an OEM replacement, or a
> suggestion for a modern replacement?
>
>
> Tnx es 73,
>
>
> Eric, WD8RIF
>
> http://wd8rif.com/radio.htm
>
>
>

43531. Re: [DrakeRadio] Tr7. 10T

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 02:06:55 UTC
From: Jim Shorney
Topic: 43379 Message: 43531

Ray,

Yes, version 2 is the better choice. Although it has its quirks as well. The best info is in the DrakemodV6 document and in an article on the WB4HFN web site on restoring the TR-7 to full output. The driver transistors on the PA board seem to be a weak point. Carefully check the base voltage with a voltmeter; it should be 0v in RX and around 0.6v in TX with no RF drive.

73

-Jim
NU0C

On Sat, 3 Mar 2018 23:07:06 +0000 (UTC), Ray Collins raycollins39@... [DrakeRadio] wrote:

>Went through with a scope, signal appears to be ok right up to the out of pre-driver board. I'm assuming the power amp is wonky. I have a parts unit that has a version 2 pre-driver, condition unknown. The one I'm fixing has a version 1 pre driver. I'm also assuming version 2 is the best choice? Also I tried to get the power amp card off once before, it was stuck and rather than use a hammer and a screwdriver I left it alone.;-) -?However while I'm in here I should change the caps, is there a screw I'm missing, all the transistors appear to be bolted to the heat sink. I just realized the power transistors are also bolted to the heat sink, so that may have been what was hanging me up. i thought I would just swap the complete pre and power amps and go from there.
>Thanks again-?
>Ray VE3BDK
>
>
>Sent from Yahoo Mail for iPad
>
>
>On Tuesday, February 27, 2018, 8:47 PM, 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>OK, the service manual is your best friend. The "how sutff works" descriptions
>do a very good job of explaining just that. The block diagram near the front
>will show you how the signals flow. If your RX seems to be working to spec that
>means that most of the RF chain is probably OK. That pretty much leaves the PA
>brick and TX Exciter board, but don't overlook the TR relay. Do you have a
>proper power cable? If you are using a PS-7 you should be good, but if not make
>sure that BOTH positive power pins are connected to +13V. One of them supplies
>power to the PA brick and the other to everything else.
>
>ALC control is derived from the forward and reverse power sensors on the Low

>Pass FiIter module. ALC is threshold based and will do nothng until power
>output reaches the threshold and the green light comes on. Check the RF levels
>around the PA brick. If you remove the four screws securing it to the right
>side panel it can be pulled out of the radio far enough for service without
>disconnecting wires.
>
>73
>
>-Jim
>NU0C
>
>On Tue, 27 Feb 2018 20:31:27 +0000 (UTC), Ray Collins raycollins39@...
>[DrakeRadio] wrote:
>
>>Jim you would be surprised how much I don't know. ;-)) --?I read the 10t on the parent board and it appears ok throughout the unit including the ALC board. Tested the mic, it's putting out something. I have a wattmeter and modulation meter on the RF out with a dummy load it shows I'm putting out 5 watts RMS. At a loud level form my voice. I think I can hear the ALC on receive, in transmit the green LED is not working.
>>
>>73
>>Ray VE3BDK
>
>--
>G??ThereG??s something out of place G?? letG??s go and poke it with a stick..G?? G?? The Doctor, "AmyG??s Choice"
>
>
>
>
>------------------------------------
>
>------------------------------------
>
>
>------------------------------------
>
>Yahoo Groups Links
>
>
>
>
>
>

--
The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris, "The Doctor's Wife"

43532. Re: Gary's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 02:14:11 UTC
From: don@...
Topic: 43517 Message: 43532

http://k4oah.com/ http://k4oah.com/

43533. Re: [DrakeRadio] Re: Gary's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 02:55:43 UTC
From: Jeffrey Angus
Topic: 43517 Message: 43533

On 3/3/18 8:14 PM, don@... [DrakeRadio] wrote:
>
> http://k4oah.com/
>
Do you know for a fact that Garey's family is attending to his
website, and processing orders?

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43534. $26 FS-4 synthesizer

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 05:15:39 UTC
From: garywinblad@...
Topic: 43534 Message: 43534

A recent thread showed there is some interest in building an FS-4 for all band coverage of R-4/T-4x and/or SPR-4 Drake rigs.

I built my own for my R-4A years ago using a PIC microcontroller and an Si570. It was a major
effort but did work quite well.

Technology marches on, and now its a lot easier! I have built a new one using an Arduino nano
board and an Si5351. Full design details are in my Folder "$26 Homebrew FS-4", named because
that's about the cost to build it. Really beats the other options, a used FS-4, a Hageman(?), or a
pile of expensive crystals!

Schematic, parts list, and full source code are there. I recommend the Si5351 I used but, I put code in to
run an AD9850 or AD9851 too. That code is commented and has not been fully verified, if you need
help let me know. Likewise, I don't have an SPR-4 but have put the code in there to run that too.
The source code needs simple edits to enable SPR-4. There is plenty of extra memory in the Arduino,
mods and enhancements are probably coming. It would be easy to build it for other rigs too (2B, 2C).
You will need to download the free Arduino software, driver, libraries, but it's not hard. Microcontrollers
are highly usable around the shack, it's worth learning them! No surface mount in this project, heck,
you hardly have to solder...

Operation is simple. Turn it on, dial the band you want with a rotary encoder. The LCD shows the
band you select and the Drake bandswitch and preselector settings you should set, then.. listen away!
After a minute of sitting on the band, it is written to non-volatile storage, so next time, you just turn it
on and continue on the same band.

If you've always wanted an FS-4 like me, take a look.
73,
Gary
WB6OGD

43535. Re: $26 FS-4 synthesizer

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 13:16:28 UTC
From: jonizornes@...
Topic: 43534 Message: 43535

Wow! Lots of good links you have posted! What program do you use to download the program link?

43536. RE: [DrakeRadio] Need 2-NT T/R Relay

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 14:45:03 UTC
From: w4my@...
Topic: 43528 Message: 43536

Eric,

I'm parting out a 2NT as we speak. My intention was to restore it. Sad, but its too far gone to do it. I'm pretty sure the TR relay worked as I did test the rig on the bench before the dismantle. The decision to part it out was due to the really bad chassis condition, meter not working, hack job on recap, etc. etc., but I did remember it had power and switched ok. No guarantees though.

I can send it to you for postage and if it works you can pay me something for it. The underside of the chassis was pretty good though. Are you interested in it? I can send you a pic (its still installed) if that would be helpful to you. Do you need any other parts?

73 Marty / W4MY

-----Original Message-----
From: "wd8rif@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Saturday, March 3, 2018 6:51pm
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Need 2-NT T/R Relay

The T/R relay in my 2-NT has finally given up the ghost. I know it's a stretch, but does someone on this list have an OEM replacement, or a suggestion for a modern replacement?

Tnx es 73,

Eric, WD8RIF
http://wd8rif.com/radio.htm

43537. Drake tech net

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 14:58:59 UTC
From: Mark Alexander
Topic: 43537 Message: 43537

Hi all,
Wondering if anyone has heard from Ron WB4HFN, lately. I tried to get to WB4HFN Amateur Radio Website

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|
|
| | |

|

|
|
| |
WB4HFN Amateur Radio Website

|

|

|

but it is not responding.
Can someone forward. the tech net info, time and frequency.
ThanksN9PPWMark

43538. Re: [DrakeRadio] Drake tech net

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 15:02:52 UTC
From: Brian Smith
Topic: 43537 Message: 43538
Attachments: 1 described; binary payloads are missing from this source WARC

I haven’t heard from him but was on his website yesterday. Attached is a photo of the net times

Brian Smith

> On Mar 4, 2018, at 8:58 AM, Mark Alexander n9ppw@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Hi all,
>
> Wondering if anyone has heard from Ron WB4HFN, lately. I tried to get to WB4HFN Amateur Radio Website
>
> WB4HFN Amateur Radio Website
>
> but it is not responding.
>
> Can someone forward. the tech net info, time and frequency.
>
> Thanks
> N9PPW
> Mark
>
>

43539. Re: [DrakeRadio] Re: Gary's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 15:13:04 UTC
From: Jeffrey Angus
Topic: 43517 Message: 43539

On 3/3/18 9:26 PM, Don Hawkins wrote:
> But let me ask you this question: do you "know for a fact" that
> they are not?
No.
> Your reply to that inquiry in the thread 'sounded' like you know
> for certain that they are not, do you?
>
> I ask because I read at least ONE person, in an earlier comment,
> in this same thread, said that they had confirmation that Garey's
> wife DOES want to continue to make the CDs available.
What I do know is that some of the people on the group are in
contact with the family, but they do no want to push it until the
family has had time to deal with all the usual things involving a
death in the family.

So until such time that it is announced that they are once again
available, my answer would be "No they aren't."

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43540. Re: [DrakeRadio] Drake tech net

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 15:15:15 UTC
From: Jeffrey Angus
Topic: 43537 Message: 43540

On 3/4/18 8:58 AM, Mark Alexanderwrote:
> Wondering if anyone has heard from Ron WB4HFN, lately.
> I tried to get to WB4HFN Amateur Radio Website
> <http://www.wb4hfn.com/DRAKE/DrakePageHome.htm>
It was working a few minutes ago.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43541. Re: [DrakeRadio] Drake tech net

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 15:30:59 UTC
From: Mark Alexander
Topic: 43537 Message: 43541

Thanks for the screen shot, should be able to check in today.Mark
On Sunday, March 4, 2018, 9:15:33 AM CST, Jeffrey Angus jdangus@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

On 3/4/18 8:58 AM, Mark Alexanderwrote:

Wondering if anyone has heard from Ron WB4HFN, lately.
I tried to get to WB4HFN Amateur Radio Website
It was working a few minutes ago.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43542. Re: [DrakeRadio] Drake tech net

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 15:39:00 UTC
From: Brian Smith
Topic: 43537 Message: 43542

You’re welcome

Brian Smith

> On Mar 4, 2018, at 9:30 AM, Mark Alexander n9ppw@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> Thanks for the screen shot, should be able to check in today.
> Mark
>
> On Sunday, March 4, 2018, 9:15:33 AM CST, Jeffrey Angus jdangus@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
>
>
> On 3/4/18 8:58 AM, Mark Alexanderwrote:
>> Wondering if anyone has heard from Ron WB4HFN, lately.
>> I tried to get to WB4HFN Amateur Radio Website
> It was working a few minutes ago.
>
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>

43543. New file uploaded to DrakeRadio

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 17:04:27 UTC
From: DrakeRadio@yahoogroups.com
Topic: 3736 Message: 43543

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the DrakeRadio
group.

File : /$26 Homebrew FS-4/FS_4A_PartsListAndDocumentation.doc
Uploaded by : wb6ogd <garywinblad@...>
Description : Parts list and documentation

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/DrakeRadio/files/%2426%20Homebrew%20FS-4/FS_4A_PartsListAndDocumentation.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

wb6ogd <garywinblad@...>

43544. Wanted: C-4 Powermaster Box

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 17:33:49 UTC
From: michelle_melt@...
Topic: 43544 Message: 43544

Looking for the Powermaster box for C-4 console, either complete or just the empty box. I thought someone was making the empty boxes but I can't find anything, Thanks for looking.

73s
Michelle
WB8QGR
"The Drake Lady"

43545. Updated PARTS FS list, some reduced prices...

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 17:40:20 UTC
From: Kc9cdt@...
Topic: 43545 Message: 43545

Here is whats left as to Drake parts I still have. I have reduced some prices as well. Don't miss the opportunity to get these parts, I think I have them priced pretty reasonable.
Bundle prices also considered...

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $70.
3) Replacement snap switch NOS for R4 function switch (This is the one that goes on the back of the F. switch).....$30
4) 8 KC AM filter for R-4C (5645KC)...$60.
5) 1.5 KC 2nd IF crystal filter for R-4C (5695KC)....$40
6) 2.4KC internal crystal filter @ 5695kc....$10
7) Knob for L-4B or MN-2000 WITH white line NOS.....$15.
8) Knob for L-4B or MN-2000 No white line NOS....$15
9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
11) New bottem cover for AC-4 PS....$5
12) New Plate meter for TR-4 etc....P/N 358-0160....$45
13) New Plate meter for TR-4 etc....P/N 358-0160....$45
14) New S meter for R4 rcvr P/N 358-0130......$45
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$15
24) 3 R-4C filter hold down brackets NOS....$10
26) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
27) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
28) USED plug in relay for TX (marked works fine needs cleaning......$10
30) Brand new Astatic D-104 Mic element......$30
34) 2 4C line main tuning knob skirts....$10
35) 2 4C line main tuning knob skirts....$10
36) 2 4C line main tuning knob skirts....$10
37) 2 New A/B line main tuning knob skirts THESE HAVE THE 0-20 MARKINGS....$20
40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
41) 3 R-4C filter hold down brackets, used...$10
44) 4 plastic tapered feet for 4 line NOS.....$8
46) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10

47) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10
50) 1 NOS AC-4 cable plug (cinch).....$15
51) 2 L-4B -- AC-4 2 pin relay connectors (plastic 2 pin connectors) (hard to find)...$15
52) 7 R-4C plastic standoff/snapons for mounting R-4C NB....$12
53) 2 plastic side plates for TR-7 series cabinets (I think that is what these are, P/N 345-5000L...$10
54) 1 TR-7 bandswitch /skirt knob P/N 445-4008 bandswitch markings.....$30 (almost impossible to find)
55) 8 used pulls nixi tubes digital readout for TR-7 I think...unknow operating condition...$5
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
60) 12 black cabinet screws with phillips head(nice no slip off)....$10
62) 1 D-104 HEAD ONLY in near perfect condition with bad element (I have elements for sale here on list)....$20
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
67) 46 Screw on style standard BAR knobs NOS or excellent cond.....$2 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$20
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$20
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$20
71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$10
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$5
73) 2 pieces blue lense plastic for dial 3" x 6"....$2
74) 2 bulbs (fuse??) P/N 347-0161...$10
75) 2 NEW 4 segment RED LED display units (total 8 digits...TR-7??...P/N 308-0022...$20
76) 2 NEW 2 Segment RED LED display units (total 4 digits)..TR-7??...P/N 308-0021...$10
77) 1 New Jersey Semiconductor 2N2430....NOS...$5
78) 3 New Jersey Semiconductor 2N2926....NOS...$15
79) 2 New Jersey Semiconductor 2N3638....NOS...$10
80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.

Lee Simmonds
Summit DCS

260-403-6936 Cell

43546. Re: [DrakeRadio] Re: Gary's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 18:07:32 UTC
From: Jeffrey Angus
Topic: 43517 Message: 43546

On 3/4/18 10:09 AM, Don Hawkins wrote:
> A simple Google search will continue to provide anyone that
> searches with the URL.
That just means the web site is still up and running.
Other than that, it means nothing.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43547. RE: [DrakeRadio] Need 2-NT T/R Relay

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 18:53:56 UTC
From: wd8rif@...
Topic: 43528 Message: 43547

Hello, Marty.

I would be interested in your 2-NT T/R relay and thanks for the offer. I also need a knob for the 2-C preselector to replace the cracked one on my 2-C. I think all the small knobs on the 2-C and 2-NT are identical but I might be wrong about that.

73,

Eric, WD8RIF
http://wd8rif.com/radio.htm http://wd8rif.com/radio.htm

---In DrakeRadio@yahoogroups.com, <w4my@...> wrote :

Eric,

I'm parting out a 2NT as we speak. My intention was to restore it. Sad, but its too far gone to do it. I'm pretty sure the TR relay worked as I did test the rig on the bench before the dismantle. The decision to part it out was due to the really bad chassis condition, meter not working, hack job on recap, etc. etc., but I did remember it had power and switched ok. No guarantees though.

I can send it to you for postage and if it works you can pay me something for it. The underside of the chassis was pretty good though. Are you interested in it? I can send you a pic (its still installed) if that would be helpful to you. Do you need any other parts?

73 Marty / W4MY

-----Original Message-----
From: "wd8rif@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Saturday, March 3, 2018 6:51pm
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Need 2-NT T/R Relay

The T/R relay in my 2-NT has finally given up the ghost. I know it's a stretch, but does someone on this list have an OEM replacement, or a suggestion for a modern replacement?

Tnx es 73,

Eric, WD8RIF
http://wd8rif.com/radio.htm http://wd8rif.com/radio.htm

43548. Re: [DrakeRadio] Updated PARTS FS list, some reduced prices...

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 18:29:41 UTC
From: uziman@...
Topic: 43545 Message: 43548

Kc9cdt@... [DrakeRadio] kirjoitti 04.03.2018 kello 19:40:
> Here is whats left as to Drake parts I still have. I have reduced some
> prices as well.
> Don't miss the opportunity to get these parts, I think I have them
> priced
> pretty reasonable.
> Bundle prices also considered...
>
>
>
>
>
> Drake Parts for Sale, KC9CDT Lee
> Simmonds
>
>
> All parts do not iclude shiping as I will combine shipping based on what
> you select:
>
>
>
>
> 2) R4x Function Switch NOS, new style with real snap switch instead of
> wafer switch for ON/OFF w/instructions.... $70.
> 3) Replacement snap switch NOS for R4 function switch (This is the
> one that
> goes on the back of the F. switch).....$30
> 4) 8 KC AM filter for R-4C (5645KC)...$60.
> 5) 1.5 KC 2nd IF crystal filter for R-4C (5695KC)....$40
> 6) 2.4KC internal crystal filter @ 5695kc....$10
> 7) Knob for L-4B or MN-2000 WITH white line NOS.....$15.
> 8) Knob for L-4B or MN-2000 No white line NOS....$15
> 9) Knob for TR-7 main tuning....$20 (I think...let me know the
> dimentions
> of yours so we can be sure it is for TR-7)
> 11) New bottem cover for AC-4 PS....$5
> 12) New Plate meter for TR-4 etc....P/N 358-0160....$45
> 13) New Plate meter for TR-4 etc....P/N 358-0160....$45
> 14) New S meter for R4 rcvr P/N 358-0130......$45
> 15) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
> 16) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
> 17) New transformer P/N 369-0170, not sure if its audio out or
> what.....$20.
> 20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as
> well??)

> P/N 366-0255....$30
> 21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as
> well??)
> P/N 366-0255....$30
> 22) 1 3-500Z metal plate cap NOS P/N 467-1026....$15
> 24) 3 R-4C filter hold down brackets NOS....$10
> 26) New plug in relay for TX ......$25 I think all these are Drake P/N
> 362-0010
> 27) New plug in relay for TX ......$25 I think all these are Drake P/N
> 362-0010
> 28) USED plug in relay for TX (marked works fine needs
> cleaning......$10
> 30) Brand new Astatic D-104 Mic element......$30
> 34) 2 4C line main tuning knob skirts....$10
> 35) 2 4C line main tuning knob skirts....$10
> 36) 2 4C line main tuning knob skirts....$10
> 37) 2 New A/B line main tuning knob skirts THESE HAVE THE 0-20
> MARKINGS....$20
> 40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
> 41) 3 R-4C filter hold down brackets, used...$10
> 44) 4 plastic tapered feet for 4 line NOS.....$8
> 46) 4 1/2 circle Rubber feet with screw molded in it for bottem of
> AC-4/MS-4 (hard to find) ...$10
> 47) 4 1/2 circle Rubber feet with screw molded in it for bottem of
> AC-4/MS-4 (hard to find) ...$10
> 50) 1 NOS AC-4 cable plug (cinch).....$15
> 51) 2 L-4B -- AC-4 2 pin relay connectors (plastic 2 pin connectors)
> (hard to find)...$15
> 52) 7 R-4C plastic standoff/snapons for mounting R-4C NB....$12
> 53) 2 plastic side plates for TR-7 series cabinets (I think that is what
> these are, P/N 345-5000L...$10
> 54) 1 TR-7 bandswitch /skirt knob P/N 445-4008 bandswitch
> markings.....$30
> (almost impossible to find)
> 55) 8 used pulls nixi tubes digital readout for TR-7 I think...unknow
> operating condition...$5
> 57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a
> set....Not
> sure its B or C line RX or TX........$30
> These are NOS, not used
> 60) 12 black cabinet screws with phillips head(nice no slip off)....$10
> 62) 1 D-104 HEAD ONLY in near perfect condition with bad element (I have
> elements for sale here on list)....$20
> 64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
> 65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
> 67) 46 Screw on style standard BAR knobs NOS or excellent
> cond.......$2 EACH
> 68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$20
> 69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$20
> 70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$20

> 71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR,
> PD-R-4C....$10
> 72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$5
> 73) 2 pieces blue lense plastic for dial 3" x 6"....$2
> 74) 2 bulbs (fuse??) P/N 347-0161...$10
> 75) 2 NEW 4 segment RED LED display units (total 8 digits...TR-7??...P/N
> 308-0022...$20
> 76) 2 NEW 2 Segment RED LED display units (total 4 digits)..TR-7??...P/N
> 308-0021...$10
> 77) 1 New Jersey Semiconductor 2N2430....NOS...$5
> 78) 3 New Jersey Semiconductor 2N2926....NOS...$15
> 79) 2 New Jersey Semiconductor 2N3638....NOS...$10
> 80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a
> set....Not
> sure its B or C line RX or TX........$30
> These are NOS, not used
>
>
> I have identified these parts as well as I can...please ask about any
> particular one(s). I can send a photo and if were not sure what it is
> for...we can try to find out together.
>
>
> Let me know the number (s) of what you want First come basis...I will
> combine for shipping and keep it as low as possible.
>
>
>
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 Cell
> Hallo! I am interested in tx/rx relay (26) and Astatic
D 104 element (30) . DO you send to Finland ? Costs?
73 Martti OH3ZZ

43549. Re: [DrakeRadio] Re: Gary's CDs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 19:13:48 UTC
From: Jeffrey Angus
Topic: 43517 Message: 43549

On 3/4/18 12:48 PM, Don Hawkins wrote:
> Better than lying --Don
Lying about what?

Garey, unfortunately, passed away after a protracted illness.
Nobody has said anything about his family currently filling
orders from his web site.

Until someone posts here that they are indeed fulfilling order
requests, I will stand by my assertion that the service CDs are
currently unavailable.
>
> ----- Original message -----
> From: Jeffrey Angus <jdangus@... <mailto:jdangus@...>>
> To: Don Hawkins <don@... <mailto:don@...>>,
> "Kc9cdt@... <mailto:Kc9cdt@...> [DrakeRadio]"
> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
> Subject: Re: [DrakeRadio] Re: Gary's CDs
> Date: Sun, 4 Mar 2018 12:07:32 -0600
>
> On 3/4/18 10:09 AM, Don Hawkins wrote:
>
> A simple Google search will continue to provide anyone that
> searches with the URL.
>
> That just means the web site is still up and running.
> Other than that, it means nothing.
>
>
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43550. Re: [DrakeRadio] Updated PARTS FS list, some reduced prices...

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 19:36:34 UTC
From: Kc9cdt@...
Topic: 43545 Message: 43550

Only send to Cont US...sorry,
73,
Lee, KC9CDT

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: uziman@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Sun, Mar 4, 2018 2:23 pm
Subject: Re: [DrakeRadio] Updated PARTS FS list, some reduced prices...

Kc9cdt@aol.com [DrakeRadio] kirjoitti 04.03.2018 kello 19:40:
> Here is whats left as to Drake parts I still have. I have reduced some
> prices as well.
> Don't miss the opportunity to get these parts, I think I have them
> priced
> pretty reasonable.
> Bundle prices also considered...
>
>
>
>
>
> Drake Parts for Sale, KC9CDT Lee
> Simmonds
>
>
> All parts do not iclude shiping as I will combine shipping based on what
> you select:
>
>
>
>
> 2) R4x Function Switch NOS, new style with real snap switch instead of
> wafer switch for ON/OFF w/instructions.... $70.
> 3) Replacement snap switch NOS for R4 function switch (This is the
> one that
> goes on the back of the F. switch).....$30
> 4) 8 KC AM filter for R-4C (5645KC)...$60.
> 5) 1.5 KC 2nd IF crystal filter for R-4C (5695KC)....$40
> 6) 2.4KC internal crystal filter @ 5695kc....$10
> 7) Knob for L-4B or MN-2000 WITH white line NOS.....$15.

> 8) Knob for L-4B or MN-2000 No white line NOS....$15
> 9) Knob for TR-7 main tuning....$20 (I think...let me know the
> dimentions
> of yours so we can be sure it is for TR-7)
> 11) New bottem cover for AC-4 PS....$5
> 12) New Plate meter for TR-4 etc....P/N 358-0160....$45
> 13) New Plate meter for TR-4 etc....P/N 358-0160....$45
> 14) New S meter for R4 rcvr P/N 358-0130......$45
> 15) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
> 16) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
> 17) New transformer P/N 369-0170, not sure if its audio out or
> what.....$20.
> 20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as
> well??)
> P/N 366-0255....$30
> 21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as
> well??)
> P/N 366-0255....$30
> 22) 1 3-500Z metal plate cap NOS P/N 467-1026....$15
> 24) 3 R-4C filter hold down brackets NOS....$10
> 26) New plug in relay for TX ......$25 I think all these are Drake P/N
> 362-0010
> 27) New plug in relay for TX ......$25 I think all these are Drake P/N
> 362-0010
> 28) USED plug in relay for TX (marked works fine needs
> cleaning......$10
> 30) Brand new Astatic D-104 Mic element......$30
> 34) 2 4C line main tuning knob skirts....$10
> 35) 2 4C line main tuning knob skirts....$10
> 36) 2 4C line main tuning knob skirts....$10
> 37) 2 New A/B line main tuning knob skirts THESE HAVE THE 0-20
> MARKINGS....$20
> 40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
> 41) 3 R-4C filter hold down brackets, used...$10
> 44) 4 plastic tapered feet for 4 line NOS.....$8
> 46) 4 1/2 circle Rubber feet with screw molded in it for bottem of
> AC-4/MS-4 (hard to find) ...$10
> 47) 4 1/2 circle Rubber feet with screw molded in it for bottem of
> AC-4/MS-4 (hard to find) ...$10
> 50) 1 NOS AC-4 cable plug (cinch).....$15
> 51) 2 L-4B -- AC-4 2 pin relay connectors (plastic 2 pin connectors)
> (hard to find)...$15
> 52) 7 R-4C plastic standoff/snapons for mounting R-4C NB....$12
> 53) 2 plastic side plates for TR-7 series cabinets (I think that is what
> these are, P/N 345-5000L...$10
> 54) 1 TR-7 bandswitch /skirt knob P/N 445-4008 bandswitch
> markings.....$30
> (almost impossible to find)
> 55) 8 used pulls nixi tubes digital readout for TR-7 I think...unknow
> operating condition...$5

> 57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a
> set....Not
> sure its B or C line RX or TX........$30
> These are NOS, not used
> 60) 12 black cabinet screws with phillips head(nice no slip off)....$10
> 62) 1 D-104 HEAD ONLY in near perfect condition with bad element (I have
> elements for sale here on list)....$20
> 64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
> 65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
> 67) 46 Screw on style standard BAR knobs NOS or excellent
> cond.......$2 EACH
> 68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$20
> 69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$20
> 70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$20
> 71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR,
> PD-R-4C....$10
> 72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$5
> 73) 2 pieces blue lense plastic for dial 3" x 6"....$2
> 74) 2 bulbs (fuse??) P/N 347-0161...$10
> 75) 2 NEW 4 segment RED LED display units (total 8 digits...TR-7??...P/N
> 308-0022...$20
> 76) 2 NEW 2 Segment RED LED display units (total 4 digits)..TR-7??...P/N
> 308-0021...$10
> 77) 1 New Jersey Semiconductor 2N2430....NOS...$5
> 78) 3 New Jersey Semiconductor 2N2926....NOS...$15
> 79) 2 New Jersey Semiconductor 2N3638....NOS...$10
> 80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a
> set....Not
> sure its B or C line RX or TX........$30
> These are NOS, not used
>
>
> I have identified these parts as well as I can...please ask about any
> particular one(s). I can send a photo and if were not sure what it is
> for...we can try to find out together.
>
>
> Let me know the number (s) of what you want First come basis...I will
> combine for shipping and keep it as low as possible.
>
>
>
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 Cell
> Hallo! I am interested in tx/rx relay (26) and Astatic
D 104 element (30) . DO you send to Finland ? Costs?
73 Martti OH3ZZ

43551. Re: [DrakeRadio] Wanted: C-4 Powermaster Box

Yahoo group: DrakeRadio (2018)
Date: 2018-03-04 23:38:42 UTC
From: Henry Dorkin
Topic: 43544 Message: 43551

Michelle - if you get more than one response, I would be interested in one as well. Hope you get a nibble -
73 -
Hank
WM1V

Sent from my iPhone

> On Mar 4, 2018, at 12:33 PM, michelle_melt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Looking for the Powermaster box for C-4 console, either complete or just the empty box. I thought someone was making the empty boxes but I can't find anything, Thanks for looking.
>
>
>
> 73s
>
> Michelle
>
> WB8QGR
>
> "The Drake Lady"
>
>
>
>

43552. Re: [DrakeRadio] Updated PARTS FS list, some reduced prices...

Yahoo group: DrakeRadio (2018)
Date: 2018-03-05 00:24:08 UTC
From: RAY FRIESS
Topic: 43545 Message: 43552

do you have any final tubes?

From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of Kc9cdt@aol.com [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Sunday, March 4, 2018 10:40 AM
To: drakeradio@yahoogroups.com
Subject: [DrakeRadio] Updated PARTS FS list, some reduced prices...

Here is whats left as to Drake parts I still have. I have reduced some prices as well.

Don't miss the opportunity to get these parts, I think I have them priced pretty reasonable.
Bundle prices also considered...

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $70.
3) Replacement snap switch NOS for R4 function switch (This is the one that goes on the back of the F. switch).....$30
4) 8 KC AM filter for R-4C (5645KC)...$60.
5) 1.5 KC 2nd IF crystal filter for R-4C (5695KC)....$40
6) 2.4KC internal crystal filter @ 5695kc....$10
7) Knob for L-4B or MN-2000 WITH white line NOS.....$15.
8) Knob for L-4B or MN-2000 No white line NOS....$15
9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
11) New bottem cover for AC-4 PS....$5
12) New Plate meter for TR-4 etc....P/N 358-0160....$45
13) New Plate meter for TR-4 etc....P/N 358-0160....$45
14) New S meter for R4 rcvr P/N 358-0130......$45
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$15
24) 3 R-4C filter hold down brackets NOS....$10
26) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
27) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
28) USED plug in relay for TX (marked works fine needs cleaning......$10

30) Brand new Astatic D-104 Mic element......$30
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36) 2 4C line main tuning knob skirts....$10
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40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
41) 3 R-4C filter hold down brackets, used...$10
44) 4 plastic tapered feet for 4 line NOS.....$8
46) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10
47) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10
50) 1 NOS AC-4 cable plug (cinch).....$15
51) 2 L-4B -- AC-4 2 pin relay connectors (plastic 2 pin connectors) (hard to find)...$15
52) 7 R-4C plastic standoff/snapons for mounting R-4C NB....$12
53) 2 plastic side plates for TR-7 series cabinets (I think that is what these are, P/N 345-5000L...$10
54) 1 TR-7 bandswitch /skirt knob P/N 445-4008 bandswitch markings.....$30 (almost impossible to find)
55) 8 used pulls nixi tubes digital readout for TR-7 I think...unknow operating condition...$5
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX........$30
These are NOS, not used
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70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$20
71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$10
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74) 2 bulbs (fuse??) P/N 347-0161...$10
75) 2 NEW 4 segment RED LED display units (total 8 digits...TR-7??...P/N 308-0022...$20
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80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX........$30
These are NOS, not used

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.

Lee Simmonds
Summit DCS

260-403-6936 Cell

43553. DC-4 Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-03-05 04:43:41 UTC
From: Rory
Topic: 43553 Message: 43553

Hello all,

Is it uncommon for Drake owners to run their stations with a DC-4? What are the pros and cons?

Thanks

N6OIL, Rory

43554. Re: [DrakeRadio] DC-4 Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-03-05 05:08:18 UTC
From: Richard Knoppow
Topic: 43553 Message: 43554

The DC-3 and DC-4 are meant for operating a transceiver or transmitter from a battery source, mostly for mobile use. Either the 3 or 4 will run a TR-3 or 4 or a T4 transmitter but will not run an R series receiver. The only advantage I can see for fixed station use is for emergencies where you have only a car battery to work from.
There are instructions and schematics for both the DC-3 and 4 at BAMA

On 3/4/2018 8:43 PM, Rory n6oil@... [DrakeRadio] wrote:
>
>
> Hello all,
>
>
> Is it uncommon for Drake owners to run their?stations with a
> DC-4? What are the pros and cons?
>
>
> Thanks
>
> N6OIL, Rory

--
Richard Knoppow
1oldlens1@...
WB6KBL

43555. Re: [DrakeRadio] DC-4 Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-03-05 05:35:48 UTC
From: Rory
Topic: 43553 Message: 43555

Thanks for the info Richard, good to know I won't waste my time messing
around looking for one, I'll just go for the AC-4 then.

73

N6OIL, Rory

On Sun, Mar 4, 2018 at 9:08 PM, Richard Knoppow <1oldlens1@...>
wrote:

> The DC-3 and DC-4 are meant for operating a transceiver or
> transmitter from a battery source, mostly for mobile use. Either the 3 or 4
> will run a TR-3 or 4 or a T4 transmitter but will not run an R series
> receiver. The only advantage I can see for fixed station use is for
> emergencies where you have only a car battery to work from.
> There are instructions and schematics for both the DC-3 and 4 at BAMA
>
>
> On 3/4/2018 8:43 PM, Rory n6oil@... [DrakeRadio] wrote:
>
>>
>>
>> Hello all,
>>
>>
>> Is it uncommon for Drake owners to run their stations with a DC-4? What
>> are the pros and cons?
>>
>>
>> Thanks
>>
>> N6OIL, Rory
>>
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>

43556. Re: [DrakeRadio] DC-4 Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-03-05 17:49:48 UTC
From: Robert Johnson
Topic: 43553 Message: 43556

Hi All:

??? I have a DC-3 or DC-4 power supply and would like more info on it.
However, BAMA does not mean anything to me and searching on It did not help.

Any help would be appreciated.

Bob, W2DSB

On 3/5/2018 12:08 AM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> The DC-3 and DC-4 are meant for operating a transceiver or
> transmitter from a battery source, mostly for mobile use. Either
> the 3 or 4 will run a TR-3 or 4 or a T4 transmitter but will not
> run an R series receiver. The only advantage I can see for fixed
> station use is for emergencies where you have only a car battery
> to work from.
> There are instructions and schematics for both the DC-3 and
> 4 at BAMA
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> On 3/4/2018 8:43 PM, Rory n6oil@... [DrakeRadio] wrote:
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>> Hello all,
>>
>>
>> Is it uncommon for Drake owners to run their?stations with a
>> DC-4? What are the pros and cons?
>>
>>
>> Thanks
>>
>> N6OIL, Rory

43557. Re: $26 FS-4 synthesizer

Yahoo group: DrakeRadio (2018)
Date: 2018-03-05 17:53:19 UTC
From: mikeyancey@...
Topic: 43534 Message: 43557

Wow - now to find a cabinet that matches.

I can't seem to get the 'Files' area to load at all - anybody else?
Tried Chrome and Firefox (latest)...
I don't even see a folder list...

Mike Yancey, KM5Z
Dallas, Texas, USA

43558. Re: [DrakeRadio] Looking to trade Drake collection for TR4CW

Yahoo group: DrakeRadio (2018)
Date: 2018-03-06 19:27:18 UTC
From: Mark Alexander
Topic: 43442 Message: 43558

Hi Carl,Wondering if anyone has taken you up on your offer?If not are willing to sell individually. Please let me know.Would be interested in the TR-4 (Depending on serial # and overall condition)Or the TR-4CTHanksMarkN9PPW
On Tuesday, February 27, 2018, 3:30:47 PM CST, W8WZ w8wz@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Hello,
I have recently received a small collection of Drake radios that I would like to trade for a TR4CW that is in great condition.

I have a TR7 with all filters and matching power supply in perfect condition that was restored by Jeff Covelli WA8SAJ and has full documentation. This also comes with the matching microphone and the power cord to use it to connect to a different brand of power supply. If you like solids state radios, this is a gem.

I also have a TR4 that works great on all bands except 40 meters where I cannot get any RF output. This comes with an AC4 power supply.

I also have a TR4C that I am told works but have not yet tested.

I have one copy of the TR4C manual that will go with it as well.

If anyone is seriously interested in trading all of these items for a very good condition TR4CW please let me know and we can trade pictures of our gear.
Thanks es 73, Carl W8WZ

Sent from my iPad

43559. Testing 1..2...3 Please delete!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-06 22:22:34 UTC
From: VE7PS
Topic: 43559 Message: 43559

Here we go again......posted early today....it's now after 2 pm.....nothing!

Sorry for the bandwidth.

73
Peter
VE7PS

This email has been checked for viruses by AVG.
http://www.avg.com

43560. Re: [DrakeRadio] Tr7. 10T

Yahoo group: DrakeRadio (2018)
Date: 2018-03-06 14:17:47 UTC
From: Ray Collins
Topic: 43379 Message: 43560

blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid !important; padding-left:1ex !important; background-color:white !important; } Jim,
There's a fiber washer between the pa and the heat sink, it had disappeared on re assembly. Is it a spacer? Or does it keep the traces away from ground?My luck I will have to pull it apart all over again. Not that I had anything else to do.;-))
73
Ray

Sent from Yahoo Mail for iPad

On Saturday, March 3, 2018, 9:07 PM, 'Jim Shorney' jshorney@inebraska.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Ray,

Yes, version 2 is the better choice. Although it has its quirks as well. The best info is in the DrakemodV6 document and in an article on the WB4HFN web site on restoring the TR-7 to full output. The driver transistors on the PA board seem to be a weak point. Carefully check the base voltage with a voltmeter; it should be 0v in RX and around 0.6v in TX with no RF drive.

73

-Jim
NU0C

On Sat, 3 Mar 2018 23:07:06 +0000 (UTC), Ray Collins raycollins39@yahoo.com [DrakeRadio] wrote:

>Went through with a scope, signal appears to be ok right up to the out of pre-driver board. I'm assuming the power amp is wonky. I have a parts unit that has a version 2 pre-driver, condition unknown. The one I'm fixing has a version 1 pre driver. I'm also assuming version 2 is the best choice? Also I tried to get the power amp card off once before, it was stuck and rather than use a hammer and a screwdriver I left it alone.;-)
- However while I'm in here I should change the caps, is there a screw I'm missing, all the transistors appear to be bolted to the heat sink. I just realized the power transistors are also bolted to the heat sink, so that may have been what was hanging me up. i thought I would just swap the complete pre and power amps and go from there.
>Thanks again-
>Ray VE3BDK
>
>
>Sent from Yahoo Mail for iPad
>
>
>On Tuesday, February 27, 2018, 8:47 PM, 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
>OK, the service manual is your best friend. The "how sutff works" descriptions
>do a very good job of explaining just that. The block diagram near the front
>will show you how the signals flow. If your RX seems to be working to spec that
>means that most of the RF chain is probably OK. That pretty much leaves the PA
>brick and TX Exciter board, but don't overlook the TR relay. Do you have a
>proper power cable? If you are using a PS-7 you should be good, but if not make
>sure that BOTH positive power pins are connected to +13V. One of them supplies
>power to the PA brick and the other to everything else.
>
>ALC control is derived from the forward and reverse power sensors on the Low
>Pass FiIter module. ALC is threshold based and will do nothng until power
>output reaches the threshold and the green light comes on. Check the RF levels
>around the PA brick. If you remove the four screws securing it to the right
>side panel it can be pulled out of the radio far enough for service without
>disconnecting wires.
>
>73
>
>-Jim
>NU0C
>
>On Tue, 27 Feb 2018 20:31:27 +0000 (UTC), Ray Collins raycollins39@...
>[DrakeRadio] wrote:
>
>>Jim you would be surprised how much I don't know. ;-)) -- I read the 10t on the parent board and it appears ok throughout the unit including the ALC board. Tested the mic, it's putting out something. I have a wattmeter and modulation meter on the RF out with a dummy load it shows I'm putting out 5 watts RMS. At a loud level form my voice. I think I can hear the ALC on receive, in transmit the green LED is not working.
>>
>>73
>>Ray VE3BDK
>
>--
>G€œThereG€™s something out of place G€“ letG€™s go and poke it with a stick..G€? G€“ The Doctor, "AmyG€™s Choice"
>
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>Yahoo Groups Links

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The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris, "The Doctor's Wife"

Yahoo Groups Links

43561. Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-06 18:13:14 UTC
From: VE7PS
Topic: 43561 Message: 43561
Attachments: 1 described; binary payloads are missing from this source WARC

Hi all;

I hope all you northeasterners didn't lose any antennas (or anything else!) last week, and are prepared for the next blast today! Best of luck! We just keep getting buried in snow up here - packed base is well over 10' now. The skiing is super!

I had to search for quite a while but finally coaxed and old laptop back to life and found the e-mail I was looking for from Garey, with a bit more detail about his early working career and his love for everything Drake. Though you might get a kick out of it, and am pretty sure Garey would have been totally OK with me sharing it with all his friends here. See the pdf attached. I'll cut and paste it into an e-mail if the attachment doesn't make it.

Enjoy!

73
Peter
VE7PS

This email has been checked for viruses by AVG.
http://www.avg.com

43562. Updated DRAKE parts for sale list, some price reductions!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-06 14:29:54 UTC
From: Kc9cdt@...
Topic: 43562 Message: 43562

I have these parts still left, I have reduced some prices as well....

I think these prices are very fair....let me know if there is any that aren't.
Some of these will be very hard to find after there gone here....

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $60.
3) Replacement snap switch NOS for R4 function switch (This is the one that goes on the back of the F. switch).....$30
4) 8 KC AM filter for R-4C (5645KC)...$40.
5) 1.5 KC 2nd IF crystal filter for R-4C (5695KC)....$40
7) Knob for L-4B or MN-2000 WITH white line NOS.....$10.
8) Knob for L-4B or MN-2000 No white line NOS....$10
9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
11) New bottem cover for AC-4 PS....$2
12) New Plate meter for TR-4 etc....P/N 358-0160....$40
13) New Plate meter for TR-4 etc....P/N 358-0160....$40
14) New S meter for R4 rcvr P/N 358-0130......$40
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$40
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$40
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$10
24) 3 R-4C filter hold down brackets NOS....$5
26) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
27) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
28) USED plug in relay for TX (marked works fine needs cleaning......$10
30) Brand new Astatic D-104 Mic element......$30
35) 2 4C line main tuning knob skirts....$10
36) 2 4C line main tuning knob skirts....$10
37) 2 New A/B line main tuning knob skirts THESE HAVE THE 0-20 MARKINGS....$20
40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
41) 3 R-4C filter hold down brackets, used...$5
44) 4 plastic tapered feet for 4 line NOS.....$8
46) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10
47) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10

50) 1 NOS AC-4 cable plug (cinch).....$15
51) 2 L-4B -- AC-4 2 pin relay connectors (plastic 2 pin connectors) (hard to find)...$15
52) 7 R-4C plastic standoff/snapons for mounting R-4C NB....$10
53) 2 LEFT plastic side plates for TR-7 series cabinets (I think that is what these are, P/N 345-5000L...$10
54) 1 TR-7 bandswitch /skirt knob P/N 445-4008 bandswitch markings.....$30 (almost impossible to find)
55) 8 used pulls nixi tubes digital readout for TR-7 I think...unknow operating condition...$5
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
60) 12 black cabinet screws with phillips head(nice no slip off)....$5
62) 1 D-104 HEAD ONLY in near perfect condition with bad element (I have elements for sale here on list)....$20
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
67) 46 Screw on style standard BAR knobs NOS or excellent cond.....$2 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$20
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$20
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$20
71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$10
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$5
73) 2 pieces blue lense plastic for dial 3" x 6"....$2
74) 2 bulbs (fuse??) P/N 347-0161...$10
75) 2 NEW 4 segment RED LED display units (total 8 digits...TR-7??...P/N 308-0022...$10
76) 2 NEW 2 Segment RED LED display units (total 4 digits)..TR-7??...P/N 308-0021...$5
77) 1 New Jersey Semiconductor 2N2430....NOS...$2
78) 3 New Jersey Semiconductor 2N2926....NOS...$6
79) 2 New Jersey Semiconductor 2N3638....NOS...$4
80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.

Thanks,
73,
Lee, KC9CDT

Lee Simmonds
Summit DCS

260-403-6936 Cell

43563. Re: [DrakeRadio] Tr7. 10T

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 00:31:52 UTC
From: VE7PS
Topic: 43379 Message: 43563

Best way to find small parts like that......from Garey Barrell,K4OAH (SK).

Take an old nylon stocking or panty hose and cut a piece out of it to
tie over the end of your vacuum hose, then start vacuuming!

73

Peter
VE7PS

On 3/6/2018 6:17 AM, Ray Collins raycollins39@... [DrakeRadio] wrote:
>
> Jim,
>
>
> There's a fiber washer between the pa and the heat sink, it had
> disappeared on re assembly. Is it a spacer? Or does it keep the traces
> away from ground?
> My luck I will have to pull it apart all over again. Not that I had
> anything else to do.;-))
>
> 73
>
> Ray
>
>
> Sent from Yahoo Mail for iPad <https://yho.com/footer0>
>
> On Saturday, March 3, 2018, 9:07 PM, 'Jim Shorney'
> jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Ray,
>
> Yes, version 2 is the better choice. Although it has its quirks as
> well. The
> best info is in the DrakemodV6 document and in an article on the
> WB4HFN web
> site on restoring the TR-7 to full output. The driver transistors
> on the PA
> board seem to be a weak point. Carefully check the base voltage with a
> voltmeter; it should be 0v in RX and around 0.6v in TX with no RF
> drive.
>
> 73
>
> -Jim

> NU0C
>
> On Sat, 3 Mar 2018 23:07:06 +0000 (UTC), Ray Collins
> raycollins39@... <mailto:raycollins39@...>
> [DrakeRadio] wrote:
>
> >Went through with a scope, signal appears to be ok right up to
> the out of pre-driver board. I'm assuming the power amp is wonky.
> I have a parts unit that has a version 2 pre-driver, condition
> unknown. The one I'm fixing has a version 1 pre driver. I'm also
> assuming version 2 is the best choice? Also I tried to get the
> power amp card off once before, it was stuck and rather than use a
> hammer and a screwdriver I left it alone.;-) - However while I'm
> in here I should change the caps, is there a screw I'm missing,
> all the transistors appear to be bolted to the heat sink. I just
> realized the power transistors are also bolted to the heat sink,
> so that may have been what was hanging me up. i thought I would
> just swap the complete pre and power amps and go from there.
> >Thanks again-
> >Ray VE3BDK
> >
> >
> >Sent from Yahoo Mail for iPad
> >
> >
> >On Tuesday, February 27, 2018, 8:47 PM, 'Jim Shorney'
> jshorney@... <mailto:jshorney@...>
> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
> >
> >
> >OK, the service manual is your best friend. The "how sutff works"
> descriptions
> >do a very good job of explaining just that. The block diagram
> near the front
> >will show you how the signals flow. If your RX seems to be
> working to spec that
> >means that most of the RF chain is probably OK. That pretty much
> leaves the PA
> >brick and TX Exciter board, but don't overlook the TR relay. Do
> you have a
> >proper power cable? If you are using a PS-7 you should be good,
> but if not make
> >sure that BOTH positive power pins are connected to +13V. One of
> them supplies
> >power to the PA brick and the other to everything else.
> >
> >ALC control is derived from the forward and reverse power sensors
> on the Low
> >Pass FiIter module. ALC is threshold based and will do nothng

> until power
> >output reaches the threshold and the green light comes on. Check
> the RF levels
> >around the PA brick. If you remove the four screws securing it to
> the right
> >side panel it can be pulled out of the radio far enough for
> service without
> >disconnecting wires.
> >
> >73
> >
> >-Jim
> >NU0C
> >
> >On Tue, 27 Feb 2018 20:31:27 +0000 (UTC), Ray Collins
> raycollins39@... <mailto:raycollins39@...>
> >[DrakeRadio] wrote:
> >
> >>Jim you would be surprised how much I don't know. ;-)) -- I read
> the 10t on the parent board and it appears ok throughout the unit
> including the ALC board.. Tested the mic, it's putting out
> something. I have a wattmeter and modulation meter on the RF out
> with a dummy load it shows I'm putting out 5 watts RMS. At a loud
> level form my voice. I think I can hear the ALC on receive, in
> transmit the green LED is not working.
> >>
> >>73
> >>Ray VE3BDK
> >
> >--
> >G€œThereG€™s something out of place G€“ letG€™s go and poke it
> with a stick..G€? G€“ The Doctor, "AmyG€™s Choice"
> >
> >
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> >Yahoo Groups Links
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>
> --
> The universe we're in will reach absolute zero in three hours.
> Safe is relative. - Idris, "The Doctor's Wife"
>
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> ------------------------------------
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>
> Yahoo Groups Links
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>
> DrakeRadio-fullfeatured@yahoogroups.com
> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
>
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

43564. Re: [DrakeRadio] DC-4 Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-03-06 05:50:51 UTC
From: vacuuminded2
Topic: 43553 Message: 43564

Not true!
The DC-4 added a 115VAC (330Hz) power receptacl, expressly for provision of running an R-4_ receiver from the supply as well!
I run a DC-3 with a TR-4 mobile in the old Impala, the setup works very well. Just expect to hear the 300 or so Hz whine from either supply, some might find it annoying unless it's hidden away :) mine is right behind the front seat so it is fairly noticeable. An old picture of the setup may be seen on my QRZ page. I've since added an MC-4 mobile console.
Regards, Chris kc9ieq

Sent from my SMRTphone
-------- Original message --------From: "Richard Knoppow 1oldlens1@ix.netcom.com [DrakeRadio]" <DrakeRadio@yahoogroups.com> Date: 3/4/18 11:08 PM (GMT-06:00) To: DrakeRadio@yahoogroups.com, Rory <n6oil@arrl.net> Subject: Re: [DrakeRadio] DC-4 Supply

The DC-3 and DC-4 are meant for operating a transceiver or transmitter from a battery source, mostly for mobile use. Either the 3 or 4 will run a TR-3 or 4 or a T4 transmitter but will not run an R series receiver. The only advantage I can see for fixed station use is for emergencies where you have only a car battery to work from.

There are instructions and schematics for both the DC-3 and 4 at BAMA

On 3/4/2018 8:43 PM, Rory n6oil@arrl.net [DrakeRadio] wrote:
>
>
> Hello all,
>
>
> Is it uncommon for Drake owners to run their stations with a
> DC-4? What are the pros and cons?
>
>
> Thanks
>
> N6OIL, Rory

--
Richard Knoppow
1oldlens1@ix.netcom.com
WB6KBL

Yahoo Groups Links

43565. Re: [DrakeRadio] DC-4 Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 00:41:45 UTC
From: Richard Knoppow
Topic: 43553 Message: 43565

https://bama.edebris.com/manuals/drake/dc4/
http://www.wb4hfn.com/DRAKE/DrakeManuals/DC4/Manual_DC4.htm
DC-3 is in the back of the TR-4 manual.
http://www.wb4hfn.com/DRAKE/DrakeManuals/TR4/Manual_TR4.htm
http://bama.edebris.com/manuals/drake/tr4/

On 3/5/2018 9:49 AM, Robert Johnson johnsonrobertgen@...
[DrakeRadio] wrote:
> Hi All:
>
> ??? I have a DC-3 or DC-4 power supply and would like more info on it.
> However, BAMA does not mean anything to me and searching on It did not help.
>
> Any help would be appreciated.
>
> Bob, W2DSB

--
Richard Knoppow
1oldlens1@...
WB6KBL

43566. Re: [DrakeRadio] DC-4 Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 00:56:41 UTC
From: Stan Gammons
Topic: 43553 Message: 43566

BAMA - Boat Anchor Manual Archive

http://bama.edebris.com/manuals/

73

Stan
KM4HQE

On 03/05/2018 11:49 AM, Robert Johnson johnsonrobertgen@...
[DrakeRadio] wrote:
> Hi All:
>
> ??? I have a DC-3 or DC-4 power supply and would like more info on it.
> However, BAMA does not mean anything to me and searching on It did not help.
>
> Any help would be appreciated.
>
> Bob, W2DSB
>
>
> On 3/5/2018 12:08 AM, Richard Knoppow 1oldlens1@...
> [DrakeRadio] wrote:
>> The DC-3 and DC-4 are meant for operating a transceiver or
>> transmitter from a battery source, mostly for mobile use. Either
>> the 3 or 4 will run a TR-3 or 4 or a T4 transmitter but will not
>> run an R series receiver. The only advantage I can see for fixed
>> station use is for emergencies where you have only a car battery
>> to work from.
>> There are instructions and schematics for both the DC-3 and
>> 4 at BAMA
>>
>> On 3/4/2018 8:43 PM, Rory n6oil@... [DrakeRadio] wrote:
>>> Hello all,
>>>
>>>
>>> Is it uncommon for Drake owners to run their?stations with a
>>> DC-4? What are the pros and cons?
>>>
>>>
>>> Thanks
>>>
>>> N6OIL, Rory
>
>
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>
> Yahoo Groups Links
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43567. Re: [DrakeRadio] DC-4 Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-03-06 06:12:55 UTC
From: Richard Knoppow
Topic: 43553 Message: 43567

I see now that the DC-4 has the 115VAC socket in it. Still
its for operating from a battery not fixed station use which was
my point.
How old is your Impala? I had a 1963 for several years with
a manual transmission and large V-8. Was a favorite car.
I can't imagine getting my TR-4 into my current Toyota.

On 3/5/2018 9:50 PM, vacuuminded2 wrote:
> Not true!
>
> The DC-4 added a 115VAC (330Hz) power receptacl, expressly for
> provision of running an R-4_ receiver from the supply as well!
>
> I run a DC-3 with a TR-4 mobile in the old Impala, the setup
> works very well.? Just expect to hear the 300 or so Hz whine from
> either supply, some might find it annoying unless it's hidden
> away :)? mine is right behind the front seat so it is fairly
> noticeable.? An old picture of the setup may be seen on my QRZ
> page.? I've since added an MC-4 mobile console.
>
> Regards,
> Chris kc9ieq
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43568. Re: [DrakeRadio] Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 01:00:22 UTC
From: Steve Wedge
Topic: 43561 Message: 43568

Peter, many thanks for sharing this with us.

Garey was quite a guy.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 6, 2018, at 13:13, VE7PS ve7ps@telus.net [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> Hi all;
>
> I hope all you northeasterners didn't lose any antennas (or anything
> else!) last week, and are prepared for the next blast today! Best of
> luck! We just keep getting buried in snow up here - packed base is well
> over 10' now. The skiing is super!
>
> I had to search for quite a while but finally coaxed and old laptop back
> to life and found the e-mail I was looking for from Garey, with a bit
> more detail about his early working career and his love for everything
> Drake. Though you might get a kick out of it, and am pretty sure Garey
> would have been totally OK with me sharing it with all his friends
> here. See the pdf attached. I'll cut and paste it into an e-mail if
> the attachment doesn't make it.
>
> Enjoy!
>
> 73
> Peter
> VE7PS
>
> ---
> This email has been checked for viruses by AVG.
> http://www.avg.com
>
> <Garey Barrell, K4OAH.pdf>

43569. Re: [DrakeRadio] DC-4 Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-03-06 06:15:21 UTC
From: Richard Knoppow
Topic: 43553 Message: 43569

Would work well for field day if you needed to run from car batteries. Last time I went to a field day they had a couple of Honda generators for 115V AC 60Hz. Nice little machines and not noisy.

On 3/5/2018 9:50 PM, vacuuminded2 wrote:
> Not true!
>
> The DC-4 added a 115VAC (330Hz) power receptacl, expressly for
> provision of running an R-4_ receiver from the supply as well!
>
> I run a DC-3 with a TR-4 mobile in the old Impala, the setup
> works very well.? Just expect to hear the 300 or so Hz whine from
> either supply, some might find it annoying unless it's hidden
> away :)? mine is right behind the front seat so it is fairly
> noticeable.? An old picture of the setup may be seen on my QRZ
> page.? I've since added an MC-4 mobile console.
>
> Regards,
> Chris kc9ieq
>
>
>
> Sent from my SMRTphone
>
> -------- Original message --------
> From: "Richard Knoppow 1oldlens1@... [DrakeRadio]"
> <DrakeRadio@yahoogroups.com>
> Date: 3/4/18 11:08 PM (GMT-06:00)
> To: DrakeRadio@yahoogroups.com, Rory <n6oil@...>
> Subject: Re: [DrakeRadio] DC-4 Supply
>
> ????? The DC-3 and DC-4 are meant for operating a transceiver or
> transmitter from a battery source, mostly for mobile use. Either
> the 3 or 4 will run a TR-3 or 4 or a T4 transmitter but will not
> run an R series receiver. The only advantage I can see for fixed
> station use is for emergencies where you have only a car battery
> to work from.
> ???? There are instructions and schematics for both the DC-3 and
> 4 at BAMA
>
> On 3/4/2018 8:43 PM, Rory n6oil@... [DrakeRadio] wrote:
> >
> >
> > Hello all,

> >
> >
> > Is it uncommon for Drake owners to run their?stations with a
> > DC-4? What are the pros and cons?
> >
> >
> > Thanks
> >
> > N6OIL, Rory
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>
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> Yahoo Groups Links
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--
Richard Knoppow
1oldlens1@...
WB6KBL

43570. Re: [DrakeRadio] DC-4 Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-03-06 06:18:49 UTC
From: Richard Knoppow
Topic: 43553 Message: 43570

For fixed station use that's the right power supply. But,
note that Chris reminded me that the DC-4 has a receptacle to run
an R series receiver. Still from a battery so you could run a set
of Drake twins for field day off of a car battery.
Do you work for Chevron?

On 3/4/2018 9:35 PM, Rory n6oil@... [DrakeRadio] wrote:
>
>
> Thanks for the info Richard, good to know I won't waste my time
> messing around looking for one, I'll just go for the AC-4 then.
>
> 73
>
> N6OIL, Rory
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43571. Re: [DrakeRadio] Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 01:07:06 UTC
From: Richard Knoppow
Topic: 43561 Message: 43571

No attachment. Please do your cut and paste, I am sure a
great many here would like to read this. Thank you for the
detective work.

On 3/6/2018 5:00 PM, Steve Wedge steve27302@...
[DrakeRadio] wrote:
>
>
> Peter, many thanks for sharing this with us.
>
> Garey was quite a guy.
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly
> sophisticated software.
>
> On Mar 6, 2018, at 13:13, VE7PS ve7ps@...
> <mailto:ve7ps@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> Hi all;
>>
>> I hope all you northeasterners didn't lose any antennas (or
>> anything
>> else!) last week, and are prepared for the next blast today!
>> Best of
>> luck!? We just keep getting buried in snow up here - packed
>> base is well
>> over 10' now.? The skiing is super!
>>
>> I had to search for quite a while but finally coaxed and old
>> laptop back
>> to life and found the e-mail I was looking for from Garey, with
>> a bit
>> more detail about his early working career and his love for
>> everything
>> Drake.? Though you might get a kick out of it, and am pretty
>> sure Garey
>> would have been totally OK with me sharing it with all his friends
>> here.? See the pdf attached.? I'll cut and paste it into an
>> e-mail if
>> the attachment doesn't make it.
>>
>> Enjoy!

>>
>> 73
>> Peter
>> VE7PS
>>
>> ---
>> This email has been checked for viruses by AVG.
>> http://www.avg.com
>>
>> <Garey Barrell, K4OAH.pdf>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43572. Re: [DrakeRadio] Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 01:15:16 UTC
From: VE7PS
Topic: 43561 Message: 43572

Hi Richard:

Ok that's strange.? I saw the attachment as did Steve.

But here it is within the e-mail (formatting gets destroyed though):

Peter - Sorry for the confusion! :-) I worked for NASA from 1961 to 1972 in Huntsville, AL. All the usual suspects, Saturn I, V, Gemini, Apollo ... 'Work' was from 0730 to 1600, so had long 'evenings'. :-)
We had a local electronic distributor, Electronic Wholesalers, that sold to NASA, support, and TV repairmen. They also had an AUDIO department (McIntosh, Marantz, Fisher, etc.) and a HAM department with Drake, Collins, Hallicrafters, Hammarlund, Johnson, etc. They offered a 'job' in the HAM department, part-time, that paid a whole $1 per hour for evenings and Saturdays. This job was highly prized among the local Ham population (everyone was from 'somewhere else', and every other person you ran into was a Ham), and it was NOT because of the generous salary. I would leave work at 1600, be at EW by 1615 ready to talk Ham radio until 2100. Saturday was 0900 - 1700. Essentially I got paid for hanging out, playing with the latest gear (we had a tribander on the roof), and talking Ham radio! Ah, but the GOOD part was, since I was 'actively employed selling Ham equipment', I qualified for the 50% discount most manufacturers offered for 'personal' use, meaning essentially one of anything or everything! Now you see why the 'job' was highly prized!! Incidentally, we took trade-ins on new gear, and of course I was able to acquire any of that for what we allowed in trade. So you would hold the job for six months or a year, and then pass it on to the next guy.....
Anyway, I got to spend MANY hours playing with all the latest toys, and after much consideration decided I would replace my Drake 1-A with a 2-B. We sold a LOT of those, many by tuning in a station, lifting up the front end off the counter by a couple of inches and then dropping it; it would ?boing? and then return exactly on frequency. This was when Hallicrafters, Hammarlund, and National were selling their 'built like a battleship', 70# receivers that would jitter when you walked across the floor. Not long after that, the 4 Line was announced and I ordered a set immediately. I got the R-4 pretty quickly, but no T-4X. I drove them crazy via phone, and one day here comes the T-4X. Opened it up, turned it on, and nothing. A little troubleshooting showed that there were about five connections in the Carrier Oscillator that weren't soldered, and once done it worked fine. I couldn't resist harassing the service guy that I dealt with regularly. He said they hadn't shipped any T-4Xs yet, did mine have a s/n on it? It did, something like 10020, and he said that was an engineering model that should NOT have been shipped. (This was actually BEFORE Bill Frost!!) By 1972 NASA was slowing down, engineers were pumping gas, etc. and a friend had been inviting me to come to work for NRAO (National Radio Astronomy Observatory) in Green

Bank, WV. (Think the movie 'Contact') I told him I didn't really want to live in Green Bank, which is about as far as you can get from civilization, so no thanks. This was when the VLA was ramping up (Very Large Array, ?Contact? again) and he called
one day and said that nobody else wanted to live in Green Bank either, so they were opening a development facility in Charlottesville, VA. That we could live with! So off we went for about eight years, when the VLA started to become operational and they wanted me to move to Socorro, NM. This is about the only place less desirable than Green Bank, PLUS the actual site was up another 3000 ft in the 'Plains of San Augustin', where we would get to ride a school bus for 30 minutes each way every day. My wife had finished her degree at UVA, so we went in search of a graduate school for her. We ended up in Atlanta, where she went to school and I started looking for a job! I ended up with a test equipment leasing company, later to become a test equipment and computer leasing company, as a Branch Manager for the 21 Eastern states. General Electric Leasing, who thought they were our competitor, couldn't beat us, so they bought the company in 2003. I went with them in a similar position, but after about six months I knew it wasn't for me. Got an early out package and walked! So.... More than you ever wanted to know!!!! Glad your surgery went well. At least they let you go! Last time I went in for a three-day surgery, they kept me for two months! Just see if they get their hands on ME again! :-) 73, Garey - K4OAH Glen Allen, VA Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line and TR-4/C Service Supplement CDs <www.k4oah.com>

73

Peter
VE7PS

On 3/6/2018 5:07 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> No attachment. Please do your cut and paste, I am sure a
> great many here would like to read this. Thank you for the
> detective work.
>
> On 3/6/2018 5:00 PM, Steve Wedge steve27302@...
> [DrakeRadio] wrote:
>>
>> Peter, many thanks for sharing this with us.
>>
>> Garey was quite a guy.
>>
>> Steve Wedge, W1ES/4
>>
>> Sent from my iPhone - the typos have been generated by highly
>> sophisticated software.
>>
>> On Mar 6, 2018, at 13:13, VE7PS ve7ps@...
>> <mailto:ve7ps@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:

>>
>>> Hi all;
>>>
>>> I hope all you northeasterners didn't lose any antennas (or
>>> anything
>>> else!) last week, and are prepared for the next blast today!
>>> Best of
>>> luck!? We just keep getting buried in snow up here - packed
>>> base is well
>>> over 10' now.? The skiing is super!
>>>
>>> I had to search for quite a while but finally coaxed and old
>>> laptop back
>>> to life and found the e-mail I was looking for from Garey, with
>>> a bit
>>> more detail about his early working career and his love for
>>> everything
>>> Drake.? Though you might get a kick out of it, and am pretty
>>> sure Garey
>>> would have been totally OK with me sharing it with all his friends
>>> here.? See the pdf attached.? I'll cut and paste it into an
>>> e-mail if
>>> the attachment doesn't make it.
>>>
>>> Enjoy!
>>>
>>> 73
>>> Peter
>>> VE7PS
>>>
>>> ---
>>> This email has been checked for viruses by AVG.
>>> http://www.avg.com
>>>
>>> <Garey Barrell, K4OAH.pdf>
>>
>>

43573. Re: [DrakeRadio] DC-4 Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-03-06 06:36:33 UTC
From: vacuuminded2
Topic: 43553 Message: 43573

Agreed they were surely meant to be used for mobile or battety back-up power, but thus far have no reason to believe they are inefficient or anemic in any way. I think my finals are getting soft, but that TR-4 has no problem making close to 150W in the car.
Mine is a 63 as well, just a nothing special 283 powerslide 4dr sedan. The one thing it has going for it, is being a 90% original car. Never been repainted or restored in any way. I did have the engine and trans out a few years ago to reseal things and ultimately replaced the timing chain set and pushrods (2 were slightly bent) while I was in there. Clean as a whistle though, lobes on the cam all still within spec so just put er back together and did nothing more. Runs like a sewing machine, think it has around 76k mi now. Had around 60k when I bought it about 12 years ago.
Regards,Chris kc9ieq

Sent from my SMRTphone
-------- Original message --------From: Richard Knoppow <1oldlens1@ix.netcom.com> Date: 3/6/18 12:12 AM (GMT-06:00) To: vacuuminded2 <vacuuminded2@yahoo.com>, DrakeRadio@yahoogroups.com Subject: Re: [DrakeRadio] DC-4 Supply

     I see now that the DC-4 has the 115VAC socket in it. Still its for operating from a battery not fixed station use which was my point.

     How old is your Impala? I had a 1963 for several years with a manual transmission and large V-8. Was a favorite car.

     I can't imagine getting my TR-4 into my current Toyota.

On 3/5/2018 9:50 PM, vacuuminded2 wrote:
> Not true!
>
> The DC-4 added a 115VAC (330Hz) power receptacl, expressly for
> provision of running an R-4_ receiver from the supply as well!
>
> I run a DC-3 with a TR-4 mobile in the old Impala, the setup
> works very well. Just expect to hear the 300 or so Hz whine from
> either supply, some might find it annoying unless it's hidden
> away :) mine is right behind the front seat so it is fairly
> noticeable. An old picture of the setup may be seen on my QRZ
> page. I've since added an MC-4 mobile console.
>
> Regards,
> Chris kc9ieq
>
>

--
Richard Knoppow
1oldlens1@ix.netcom.com
WB6KBL

43574. Re: [DrakeRadio] Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 01:25:36 UTC
From: Richard Knoppow
Topic: 43561 Message: 43574

Thank you. I looked again and find the message with the
attachment. I am not sure what happened the first time. Thanks
for taking the trouble.

On 3/6/2018 5:15 PM, VE7PS wrote:
> Hi Richard:
>
> Ok that's strange.? I saw the attachment as did Steve.
>
> But here it is within the e-mail (formatting gets destroyed though):
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43575. Re: [DrakeRadio] Wanted: C-4 Powermaster Box

Yahoo group: DrakeRadio (2018)
Date: 2018-03-05 21:03:30 UTC
From: Jim Wright
Topic: 43544 Message: 43575

Mishelle,,
Perhaps I didn't explain, I own a machine shop. I can fabricate a box like the originals if I have the details of the construction.
Glad to make one for you. - in trade for the manual you sent me.
Jim Wright
W5SXH, Belfair, WA.
On ☐Sunday☐, ☐March☐ ☐4☐, ☐2018☐ ☐03☐:☐39☐:☐15☐ ☐PM☐ ☐PST, Henry Dorkin dorkinh@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Michelle - if you get more than one response, I would be interested in one as well. Hope you get a nibble -
73 -HankWM1V

Sent from my iPhone
On Mar 4, 2018, at 12:33 PM, michelle_melt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Looking for the Powermaster box for C-4 console, either complete or just the empty box. I thought someone was making the empty boxes but I can't find anything, Thanks for looking.

73s

Michelle

WB8QGR

"The Drake Lady"

43576. RE: [DrakeRadio] Testing 1..2...3 Please delete!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 02:13:58 UTC
From: Doug Renwick
Topic: 43559 Message: 43576

FYI both the N1MM and IC-7610 groups have recently left yahoo and moved to groups.io.

Doug

"Political correctness is a weapon used to silence people who tell the truth" - Ayaan Hirsi Ali

_____

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: March-06-18 4:23 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Testing 1..2...3 Please delete!

Here we go again......posted early today....it's now after 2 pm.....nothing!

Sorry for the bandwidth.

73
Peter
VE7PS

.

<http://geo.yahoo.com/serv?s=97359714/grpId=17989790/grpspId=1705063108/msgId=43559/stime=1520381411>

<http://y.analytics.yahoo.com/fpc.pl?ywarid=515FB27823A7407E&a=1000131032227 9&js=no&resp=img&cf12=CP>

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

43577. Re: [DrakeRadio] Tr7. 10T

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 02:58:10 UTC
From: Jim Shorney
Topic: 43379 Message: 43577

I don't recall seeing a fiber washer when I had mine apart. Internet photos have not been forthcoming about the presence of one. I guess you will have to look for a likely spot.

73

-Jim
NU0C

On Tue, 6 Mar 2018 14:17:47 +0000 (UTC), Ray Collins raycollins39@... [DrakeRadio] wrote:

> blockquote, div.yahoo_quoted { margin-left: 0 !important; border-left:1px #715FFA solid !important; padding-left:1ex !important; background-color:white !important; } Jim,-?
>There's a fiber washer between the pa and the heat sink, it had disappeared on re assembly. Is it a spacer? Or does it keep the traces away from ground?My luck I will have to pull it apart all over again. Not that I had anything else to do.;-))
>73
>Ray
>
>
>Sent from Yahoo Mail for iPad
>
>
>On Saturday, March 3, 2018, 9:07 PM, 'Jim Shorney' jshorney@inebraska.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>Ray,
>
>Yes, version 2 is the better choice. Although it has its quirks as well. The
>best info is in the DrakemodV6 document and in an article on the WB4HFN web
>site on restoring the TR-7 to full output. The driver transistors on the PA
>board seem to be a weak point. Carefully check the base voltage with a
>voltmeter; it should be 0v in RX and around 0.6v in TX with no RF drive.
>
>73
>
>-Jim
>NU0C
>
>On Sat, 3 Mar 2018 23:07:06 +0000 (UTC), Ray Collins raycollins39@...
>[DrakeRadio] wrote:
>
>>Went through with a scope, signal appears to be ok right up to the out of pre-driver board. I'm assuming the power amp is wonky. I have a parts unit that has a version 2 pre-driver, condition unknown. The one I'm fixing has a version 1 pre driver. I'm also

assuming version 2 is the best choice? Also I tried to get the power amp card off once before, it was stuck and rather than use a hammer and a screwdriver I left it alone.;-) --?However while I'm in here I should change the caps, is there a screw I'm missing, all the transistors appear to be bolted to the heat sink. I just realized the power transistors are also bolted to the heat sink, so that may have been what was hanging me up. i thought I would just swap the complete pre and power amps and go from there.
>>Thanks again--?
>>Ray VE3BDK
>>
>>
>>Sent from Yahoo Mail for iPad
>>
>>
>>On Tuesday, February 27, 2018, 8:47 PM, 'Jim Shorney' jshorney@inebraska.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>>OK, the service manual is your best friend. The "how sutff works" descriptions
>>do a very good job of explaining just that. The block diagram near the front
>>will show you how the signals flow. If your RX seems to be working to spec that
>>means that most of the RF chain is probably OK. That pretty much leaves the PA
>>brick and TX Exciter board, but don't overlook the TR relay. Do you have a
>>proper power cable? If you are using a PS-7 you should be good, but if not make
>>sure that BOTH positive power pins are connected to +13V. One of them supplies
>>power to the PA brick and the other to everything else.
>>
>>ALC control is derived from the forward and reverse power sensors on the Low
>>Pass FiIter module. ALC is threshold based and will do nothng until power
>>output reaches the threshold and the green light comes on. Check the RF levels
>>around the PA brick. If you remove the four screws securing it to the right
>>side panel it can be pulled out of the radio far enough for service without
>>disconnecting wires.
>>
>>73
>>
>>-Jim
>>NU0C
>>
>>On Tue, 27 Feb 2018 20:31:27 +0000 (UTC), Ray Collins raycollins39@yahoo.com
>>[DrakeRadio] wrote:
>>
>>>Jim you would be surprised how much I don't know. ;-)) ---?I read the 10t on the parent board and it appears ok throughout the unit including the ALC board. Tested the mic, it's putting out something. I have a wattmeter and modulation meter on the RF out with a dummy load it shows I'm putting out 5 watts RMS. At a loud level form my voice. I think I can hear the ALC on receive, in transmit the green LED is not working.
>>>
>>>73
>>>Ray VE3BDK
>>
>>--

>>GG??+?ThereGG??G??s something out of place GG??G?? letGG??G??s go and poke it with a stick..GG??n++ GG??G?? The Doctor, "AmyGG??G??s Choice"
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>>Yahoo Groups Links
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>The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris, "The Doctor's Wife"
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>Yahoo Groups Links
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?There?s something out of place ? let?s go and poke it with a stick.? ? The Doctor, "Amy?s Choice"

43578. Re: [DrakeRadio] Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 14:32:56 UTC
From: <km2km@...>
Topic: 43561 Message: 43578

Many Thanks Peter,

Garey had an amazingly interesting and enjoyable life - and he shared it all with us through his great personality.

All my best to all,

Kris KM2KM
MERSCHROD
123 Warren Road
Ithaca, NY 14850

---- "VE7PS ve7ps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

==========
Hi all;

I hope all you northeasterners didn't lose any antennas (or anything else!) last week, and are prepared for the next blast today! Best of luck! We just keep getting buried in snow up here - packed base is well over 10' now. The skiing is super!

I had to search for quite a while but finally coaxed and old laptop back to life and found the e-mail I was looking for from Garey, with a bit more detail about his early working career and his love for everything Drake. Though you might get a kick out of it, and am pretty sure Garey would have been totally OK with me sharing it with all his friends here. See the pdf attached. I'll cut and paste it into an e-mail if the attachment doesn't make it.

Enjoy!

73
Peter
VE7PS

This email has been checked for viruses by AVG.
http://www.avg.com

43579. Re: [DrakeRadio] Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 14:45:11 UTC
From: Barry
Topic: 43561 Message: 43579

I've lived in/around Huntsville, AL, most of my life and remember shopping around in Wholesale Electronics back in the day (at least, I'm pretty sure that's the store I remember). I probably saw Garey in there but don't remember (too long ago and I was just a broke teenager at the time). Garey had mentioned that he worked at a place like that but I don't recall he mentioned the name and when I read that, it brought back a lot of memories of that place as well as a few other true electronics stores that were close by (none of which are still in business - sigh...). I think the W.E. building still exists but was turned into a nightclub many years ago.

Thanks for posting that,
Barry - N4BUQ

----- Original Message -----
> From: "VE7PS ve7ps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Tuesday, March 6, 2018 12:13:14 PM
> Subject: [DrakeRadio] Bio - Garey Barrell, K4OAH
>
> Hi all;
>
> I hope all you northeasterners didn't lose any antennas (or anything
> else!) last week, and are prepared for the next blast today! Best of
> luck! We just keep getting buried in snow up here - packed base is well
> over 10' now. The skiing is super!
>
> I had to search for quite a while but finally coaxed and old laptop back
> to life and found the e-mail I was looking for from Garey, with a bit
> more detail about his early working career and his love for everything
> Drake. Though you might get a kick out of it, and am pretty sure Garey
> would have been totally OK with me sharing it with all his friends
> here. See the pdf attached. I'll cut and paste it into an e-mail if
> the attachment doesn't make it.
>
> Enjoy!
>
> 73
> Peter
> VE7PS
>
>
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>
> ---
> This email has been checked for viruses by AVG.
> http://www.avg.com

>
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> ------------------------------------
> Posted by: VE7PS <ve7ps@...>
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> Yahoo Groups Links
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43580. Re: [DrakeRadio] Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 14:54:38 UTC
From: Barry
Topic: 43561 Message: 43580

Oops - "Electronic Wholesalers", not "Wholesale Electronics". I do think Garey mentioned it was on Bob Wallace Ave. when he was there but the store I remember was in a different, nearby location. I seem to recall they may have moved to the location I remember but that's all very fuzzy to me now.

https://www.huntsvillerewound.com/HSVantad.jpg

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Barry n4buq@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com, "VE7PS" <ve7ps@telus.net>
> Sent: Wednesday, March 7, 2018 8:45:11 AM
> Subject: Re: [DrakeRadio] Bio - Garey Barrell, K4OAH
>
> I've lived in/around Huntsville, AL, most of my life and remember shopping
> around in Wholesale Electronics back in the day (at least, I'm pretty sure
> that's the store I remember). I probably saw Garey in there but don't
> remember (too long ago and I was just a broke teenager at the time). Garey
> had mentioned that he worked at a place like that but I don't recall he
> mentioned the name and when I read that, it brought back a lot of memories
> of that place as well as a few other true electronics stores that were close
> by (none of which are still in business - sigh...). I think the W.E.
> building still exists but was turned into a nightclub many years ago.
>
> Thanks for posting that,
> Barry - N4BUQ
>
> ----- Original Message -----
> > From: "VE7PS ve7ps@telus.net [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> > To: DrakeRadio@yahoogroups.com
> > Sent: Tuesday, March 6, 2018 12:13:14 PM
> > Subject: [DrakeRadio] Bio - Garey Barrell, K4OAH
> >
> > Hi all;
> >
> > I hope all you northeasterners didn't lose any antennas (or anything
> > else!) last week, and are prepared for the next blast today! Best of
> > luck! We just keep getting buried in snow up here - packed base is well
> > over 10' now. The skiing is super!
> >
> > I had to search for quite a while but finally coaxed and old laptop back
> > to life and found the e-mail I was looking for from Garey, with a bit
> > more detail about his early working career and his love for everything
> > Drake. Though you might get a kick out of it, and am pretty sure Garey

> > would have been totally OK with me sharing it with all his friends
> > here. See the pdf attached. I'll cut and paste it into an e-mail if
> > the attachment doesn't make it.
> >
> > Enjoy!
> >
> > 73
> > Peter
> > VE7PS
> >
> >
> >
> >
> > ---
> > This email has been checked for viruses by AVG.
> > http://www.avg.com
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> > ------------------------------------
> > Posted by: VE7PS <ve7ps@...>
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> > ------------------------------------
> >
> > Yahoo Groups Links
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> ------------------------------------
> Posted by: Barry <n4buq@...>
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> Yahoo Groups Links
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>

43581. Re: [DrakeRadio] Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 15:12:11 UTC
From: el34guy@...
Topic: 43561 Message: 43581

Isn't that the truth! Extremely decent guy!!

73
Mark
W0NCL

-----Original Message-----
From: km2km@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: VE7PS <ve7ps@...>; DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Wed, Mar 7, 2018 8:43 am
Subject: Re: [DrakeRadio] Bio - Garey Barrell, K4OAH

Many Thanks Peter,

Garey had an amazingly interesting and enjoyable life - and he shared it all with us through his great personality.

All my best to all,

Kris KM2KM
MERSCHROD
123 Warren Road
Ithaca, NY 14850

---- "VE7PS ve7ps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

==========
Hi all;

I hope all you northeasterners didn't lose any antennas (or anything else!) last week, and are prepared for the next blast today! Best of luck! We just keep getting buried in snow up here - packed base is well over 10' now. The skiing is super!

I had to search for quite a while but finally coaxed and old laptop back to life and found the e-mail I was looking for from Garey, with a bit more detail about his early working career and his love for everything Drake. Though you might get a kick out of it, and am pretty sure Garey would have been totally OK with me sharing it with all his friends here. See the pdf attached. I'll cut and paste it into an e-mail if the attachment doesn't make it.

Enjoy!

73
Peter
VE7PS

This email has been checked for viruses by AVG.
http://www.avg.com

Posted by: <km2km@...>

Yahoo Groups Links

43582. WTB

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 17:44:20 UTC
From: kevinmulter@...
Topic: 18578 Message: 43582

WTB: 6JB6, set of 3 for TR-4. Looking for a strong set with decent matching.

Last but certainly not least, I would like to add my condolences on Garey's passing.

He helped me out on several occasions not to mention his CD which is by far the best investment I ever made

in my Drake Hobby.

73 Kevin M

W2AQY

43583. Re: [DrakeRadio] DC-4 Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-03-07 18:21:52 UTC
From: Robert Johnson
Topic: 43553 Message: 43583

Thank you both for the info. For some reason I did not receive any
messages from [DrakeRadio] for the past two days.

73, Bob, W2DSB

On 3/6/2018 7:41 PM, Richard Knoppow wrote:
> https://bama.edebris.com/manuals/drake/dc4/
> http://www.wb4hfn.com/DRAKE/DrakeManuals/DC4/Manual_DC4.htm
> ??? DC-3 is in the back of the TR-4 manual.
> http://www.wb4hfn.com/DRAKE/DrakeManuals/TR4/Manual_TR4.htm
> http://bama.edebris.com/manuals/drake/tr4/
>
>
> On 3/5/2018 9:49 AM, Robert Johnson johnsonrobertgen@...
> [DrakeRadio] wrote:
>> Hi All:
>>
>> ? ??? I have a DC-3 or DC-4 power supply and would like more info on it.
>> However, BAMA does not mean anything to me and searching on It did
>> not help.
>>
>> Any help would be appreciated.
>>
>> Bob, W2DSB
>
>

43584. Re: Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-08 01:25:44 UTC
From: Paul Silverzweig
Topic: 43561 Message: 43584

Having been deployed to Puerto Rico for about 5 months I obviously missed a great deal... What has happened? Garey was a great help to me over the years in restoring my TR-4C, 2-B, and the twins, R-4B and T-4X... What has happened? Was hoping to get a few more of his disk sets...

Have a great day!

Best regards,

Paul Silverzweig
N1PSX

43585. Re: [DrakeRadio] Re: Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-08 01:37:49 UTC
From: Barry
Topic: 43561 Message: 43585

Sadly, Garey passed away, Feb. 18, from complications of several recent health issues. The status of his CD business is uncertain at this time.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "'Paul Silverzweig' n1psx@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Wednesday, March 7, 2018 7:25:44 PM
> Subject: [DrakeRadio] Re: Bio - Garey Barrell, K4OAH
>
> Having been deployed to Puerto Rico for about 5 months I obviously missed a
> great deal... What has happened? Garey was a great help to me over the years
> in restoring my TR-4C, 2-B, and the twins, R-4B and T-4X... What has
> happened? Was hoping to get a few more of his disk sets...
>
> Have a great day!
>
> Best regards,
>
> Paul Silverzweig
> N1PSX
>
>
>
>
>
>
> ------------------------------------
> Posted by: "Paul Silverzweig" <n1psx@...>
> ------------------------------------
>
>
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>
> Yahoo Groups Links
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43586. Re: Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-08 02:01:48 UTC
From: Bry Carling
Topic: 43561 Message: 43586

Oh my - sure sorry to hear this.

RIP Gary - what a great contribution he made to the DRAKE world!!

Bry Carling, AF4K Crystals

From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Wednesday, March 7, 2018 8:37 PM
To: DrakeRadio@yahoogroups.com; Paul Silverzweig
Subject: Re: [DrakeRadio] Re: Bio - Garey Barrell, K4OAH

Sadly, Garey passed away, Feb. 18, from complications of several recent health issues. The status of his CD business is uncertain at this time.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "'Paul Silverzweig' n1psx@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Wednesday, March 7, 2018 7:25:44 PM
> Subject: [DrakeRadio] Re: Bio - Garey Barrell, K4OAH
>
> Having been deployed to Puerto Rico for about 5 months I obviously missed a
> great deal... What has happened? Garey was a great help to me over the years
> in restoring my TR-4C, 2-B, and the twins, R-4B and T-4X... What has
> happened? Was hoping to get a few more of his disk sets...
>
> Have a great day!
>
> Best regards,
>
> Paul Silverzweig
> N1PSX
>
>
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> ------------------------------------
> Posted by: "Paul Silverzweig" <n1psx@...>
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> Yahoo Groups Links
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43587. [DrakeRadio] Re: Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-08 02:35:06 UTC
From: Paul Silverzweig
Topic: 43561 Message: 43587

Thanks for letting me know Barry... another silent key in my network in recent times... May he rest in peace

73,

Paul Silverzweig
N1PSX

43588. RE: [DrakeRadio] Re: Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-08 02:38:59 UTC
From: Joe
Topic: 43561 Message: 43588

Heh!

Sure can tell how doesn't visit the group much. We've been lamenting Garey's passing for 2 weeks now!

And it is still a shock. L

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Re: Bio - Garey Barrell, K4OAH

Thanks for letting me know Barry... another silent key in my network in recent times... May he rest in peace

43589. RE: [DrakeRadio] Re: Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-08 02:44:57 UTC
From: Paul Silverzweig
Topic: 43561 Message: 43589

Not that I don't visit much, but I just returned from 5 months in Puerto Rico in response to Hurricanes Irma and Maria. Sorry to say I was otherwise occupied doing communications work, and not much reading of Yahoo Groups. sorry.

73,

Paul Silverzweig

N1PSX

From: Joe [mailto:w7rkn.7@...]
Sent: Wednesday, March 07, 2018 21:39
To: DrakeRadio@yahoogroups.com; 'Paul Silverzweig'
Subject: RE: [DrakeRadio] Re: Bio - Garey Barrell, K4OAH

Heh!

Sure can tell how doesn't visit the group much. We've been lamenting Garey's passing for 2 weeks now!

And it is still a shock. L

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Re: Bio - Garey Barrell, K4OAH

Thanks for letting me know Barry... another silent key in my network in recent times... May he rest in peace

43590. Re: [DrakeRadio] Re: Bio - Garey Barrell, K4OAH

Yahoo group: DrakeRadio (2018)
Date: 2018-03-08 13:34:53 UTC
From: Barry
Topic: 43561 Message: 43590

Hi Paul,

Yes, he is sorely missed here.

BTW, I just reread his obituary and his memorial service is this Saturday (the 10th) so I think it's still very much too early for the family to make decisions regarding his remaining interests (particularly the CD services).

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "'Paul Silverzweig' n1psx@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Wednesday, March 7, 2018 8:35:06 PM
> Subject: [DrakeRadio] Re: Bio - Garey Barrell, K4OAH
>
> Thanks for letting me know Barry... another silent key in my network in
> recent times... May he rest in peace
>
> 73,
>
> Paul Silverzweig
> N1PSX
>
>
>
>
>
> ------------------------------------
> Posted by: "Paul Silverzweig" <n1psx@...>
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> Yahoo Groups Links
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43591. looking for crystal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-08 15:54:34 UTC
From: Paul Kraemer
Topic: 43591 Message: 43591

Anyone have a parts radio with 5595 khz crystal they would part with? From R4B.
Paul K0UYA

43592. Drale L-4B High Voltage cable from PS to deck FS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-08 17:53:59 UTC
From: Kc9cdt@...
Topic: 43592 Message: 43592

I have a extra HV cable for L-4B form PS to deck...
$40 shipped Cont US.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43593. Re: [DrakeRadio] looking for crystal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-09 13:15:52 UTC
From: armando martins
Topic: 43591 Message: 43593

Hi Paul if you can not find any please let me know because we
make crystal's for our rigs here in UK
Regards
Martins M0PAM

On Thu, 8/3/18, 'Paul Kraemer' elespe@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Subject: [DrakeRadio] looking for crystal
To: "Drake" <DrakeRadio@yahoogroups.com>
Date: Thursday, 8 March, 2018, 15:54

Anyone have a parts radio with 5595 khz crystal they
would part with?
From R4B.
Paul K0UYA

43594. Re: [DrakeRadio] looking for crystal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-09 13:53:41 UTC
From: va3mgn@...
Topic: 43591 Message: 43594

Hi Martins,

Are you referring to QuartsLab? I can always rely on them. Great service.

Matt, VA3MGN

Dave Hayes, G4AKY
QuartsLab
www.quartslab.com http://www.quartslab.com
Email: sales2@quartslab.com
Tel.: +44 20 7100 6357
Mobile: + 7546 254299

43595. Updated Drake parts for sale list....some reduced prices

Yahoo group: DrakeRadio (2018)
Date: 2018-03-09 14:15:46 UTC
From: Kc9cdt@...
Topic: 43595 Message: 43595

Drake users,
Here is my updated parts for sale list....I have reduced some prices as well.
Some of these are pretty good to have, so don't miss out.

If anyone want all of them let me know, and I will give you a good deal.

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $60.
3) Replacement snap switch NOS for R4 function switch (This is the one that goes on the back of the F. switch).....$30
4) 8 KC AM filter for R-4C (5645KC)...$40.
5) 1.5 KC 2nd IF crystal filter for R-4C (5695KC)....$40
7) Knob for L-4B WITH white line NOS.....$10.
8) Knob for L-4B No white line NOS....$10
9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
11) New bottem cover for AC-4 PS....$1
12) New Plate meter for TR-4 etc....P/N 358-0160....$40
13) New Plate meter for TR-4 etc....P/N 358-0160....$40
14) New S meter for R4 rcvr P/N 358-0130......$40
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$40
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$40
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$10
24) 3 R-4C filter hold down brackets NOS....$5
26) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
27) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
28) USED plug in relay for TX (marked works fine needs cleaning......$10
30) Brand new Astatic D-104 Mic element......$30
35) 2 4C line main tuning knob skirts....$10
36) 2 4C line main tuning knob skirts....$10
40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
41) 3 R-4C filter hold down brackets, used...$5
44) 4 plastic tapered feet for 4 line NOS.....$8
46) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10
47) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10

50) 1 NOS AC-4 cable plug (cinch).....$10
51) 2 L-4B -- AC-4 2 pin relay connectors (plastic 2 pin connectors) (hard to find)...$15
52) 7 R-4C plastic standoff/snapons for mounting R-4C NB....$10 (These get broken)
53) 2 LEFT plastic side plates for TR-7 series cabinets (I think that is what these are, P/N 345-5000L...$10
54) 1 TR-7 bandswitch /skirt knob P/N 445-4008 bandswitch markings.....$30 (almost impossible to find)
55) 8 used pulls nixi tubes digital readout for TR-7 I think...unknow operating condition...$1
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
60) 12 black cabinet screws with phillips head(nice no slip off)....$5
62) 1 D-104 HEAD ONLY in near perfect condition with bad element (I have elements for sale here on list)....$10
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
67) 40 Screw on style standard BAR knobs NOS or excellent cond.....$2 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$10
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$10
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$10
71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$5
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$2
73) 2 pieces blue lense plastic for dial 3" x 6"....$2
74) 2 bulbs (fuse??) P/N 347-0161...$10
75) 2 NEW 4 segment RED LED display units (total 8 digits...TR-7??...P/N 308-0022...$5
76) 2 NEW 2 Segment RED LED display units (total 4 digits)..TR-7??...P/N 308-0021...$2
77) 1 New Jersey Semiconductor 2N2430....NOS...$2
78) 3 New Jersey Semiconductor 2N2926....NOS...$6
79) 2 New Jersey Semiconductor 2N3638....NOS...$4
80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.

Thanks,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43596. Re: [DrakeRadio] Updated Drake parts for sale list....some reduced prices

Yahoo group: DrakeRadio (2018)
Date: 2018-03-09 15:05:34 UTC
From: Dexter Francis
Topic: 43595 Message: 43596

Lee -

I’m interested in the D-104 mic element.

Dexter Francis
N0YLJ

http://thinkingofdesign.blogspot.com

> On Mar 9, 2018, at 7:15 AM, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Drake users,
>
> Here is my updated parts for sale list....I have reduced some prices as well.
> Some of these are pretty good to have, so don't miss out.
>
> If anyone want all of them let me know, and I will give you a good deal.
>
> Drake Parts for Sale, KC9CDT Lee Simmonds
>
> All parts do not iclude shiping as I will combine shipping based on what you select:
>
>
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> 35) 2 4C line main tuning knob skirts....$10
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> 41) 3 R-4C filter hold down brackets, used...$5
> 44) 4 plastic tapered feet for 4 line NOS.....$8
> 46) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10
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> 50) 1 NOS AC-4 cable plug (cinch).....$10
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> 68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$10
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> 70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$10
> 71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$5
> 72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$2
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> 74) 2 bulbs (fuse??) P/N 347-0161...$10
> 75) 2 NEW 4 segment RED LED display units (total 8 digits...TR-7??...P/N 308-0022...$5
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> 77) 1 New Jersey Semiconductor 2N2430....NOS...$2
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> I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

>
> Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.
>
> Thanks,
> Lee
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 Cell
>

43597. Drake TR4 crystal filters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-09 22:42:19 UTC
From: johng101501@...
Topic: 43597 Message: 43597

Hello, has anybody ever changed crystal filters in a tr4 from older to newer style? I have a tr4 that has the upper and lower crystal filters in the same box, but is not the soupcan style . I have a set of two newer upper and lower ssb crystal filters they are individual boxed upper in one and lower in one-- if so how did you do it.

43598. Interconnect Cables Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-09 22:46:03 UTC
From: Bruce
Topic: 43598 Message: 43598

Hello,

I am confused. 3 different sources state 3 different things about INJ/Osc cables:

“For C-line Interconnect cable kit consists of two RG59/U cables for injection and carrier oscillator..."
“For B-Line Interconnect cable kit consists of one RG59/U cable for injection..." (RG59 = 75 ohms).

"The Drake INJ cables (they have little metal clips on them to show that's what they are) are special and MUST be used for VFO and Crystal OSC connections...they are RG62." (RG62 = 93 ohms).

A 3rd source said that the cables should be RG58. (RG58 = 50 ohms).

How important is Impedance?

Would all 3 different impedance cables work?

What did Drake use?

73, Bruce WA8TNC

43599. Re: [DrakeRadio] Interconnect Cables Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-09 22:51:33 UTC
From: RAY FRIESS
Topic: 43598 Message: 43599

This is similar to the instructions for the Heathkit twins - sb 301 and 401. Fact is that just about everyone, including myself, the just used rg 58 or 59 had no problems. The instructions were based on the claim that the cables presented the right impedance and capacitance so as to not throw the circuits out of whack when running interconnected.

Sent from my Verizon LG Smartphone

------ Original message------
From: Bruce bsugarberg@... [DrakeRadio]
Date: Fri, Mar 9, 2018 4:46 PM
To: DrakeRadio;
Cc:
Subject:[DrakeRadio] Interconnect Cables Question

Hello,

I am confused. 3 different sources state 3 different things about INJ/Osc cables:

“For C-line Interconnect cable kit consists of two RG59/U cables for injection and carrier oscillator..."
“For B-Line Interconnect cable kit consists of one RG59/U cable for injection..." (RG59 = 75 ohms).

"The Drake INJ cables (they have little metal clips on them to show that's what they are) are special and MUST be used for VFO and Crystal OSC connections...they are RG62." (RG62 = 93 ohms).

A 3rd source said that the cables should be RG58. (RG58 = 50 ohms).

How important is Impedance?

Would all 3 different impedance cables work?

What did Drake use?

73, Bruce WA8TNC

43600. Re: [DrakeRadio] Interconnect Cables Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-09 23:00:07 UTC
From: VE7PS
Topic: 43598 Message: 43600

To quote K4OAH - still with us in many ways....

All original cables were 38" long tip-to-tip.

The INJ, (and CAR OSC in the C-Line,) cables used a foam inner
dielectric and phono connectors
with a white insulation. This cable measures 60 pF total capacity.

All other cables used the standard for the day clear polyethelene inner
dielectric and phenolic
(brown) insulated phono connectors and measure ~100 pF.

Original Drake INJ and CAR OSC Cables = 19 pF/ft = .160" o.d. (foam poly)

RG-62 = 93R = 13.5 pF/ft = 0.240" o.d.
RG-59 = 75R = 14.8 pF/ft = 0.242" o.d.
RG-6 = 75R = 16.2 pF/ft = 0.270" o.d.
RG-174= 50R = 30.8 pF/ft = 0.110" o.d.
Mic Cable (Belden 8410) = Hi-Z = 33 pf/ft = 0.160" o.d. (foam poly)
Mic Cable (Belden 8421) = Hi-Z = 16 pf/ft = 0.180" o.d. (foam poly)
R/S Audio Patch Cable = 28 pF/ft = 0.165" o.d. (poly)

The best choice is the Belden 8421 Audio cable from their "Brilliance"
line. It looks just like
the other cables, and is very flexible. K0UYA, another list member, had
some 8421 at one time
that he was selling by the foot. The RG-62 is OK, but it is 50% larger
and far less flexible.
RG-62 is also prone to shorting if bent over too small a radius, and is
susceptible to heat
damage when soldering connectors. The best "feature" of RG-62 is that it
is often FREE, since
there have been many miles of it pulled out of old computer networks.

The only pertinent factor is the total capacity. Impedance and "loss"
are not important.

Any _reasonably low capacity_ coax will work if the units are cabled
together for the
adjustment of the INJ trimmers.

The cable type ONLY affects the LEVEL of the PreMix signal, (5.645 MHz
ABOVE the
transmit/receive frequency,) and a small DC control voltage between the
two. If the shunt
capacity is too high, insufficient LO level for the first mixer will
reduce the sensitivity of

the receiver and the output power of the transmitter.

Some of the "commercial" cable mfrs use RG-59A, but it's a little larger and also prone to
shorting if bent over too tight a radius.

The ANT lead to the receiver is too short to matter, but you want good shield integrity, which
usually eliminates R/S cables.

The best connectors I've found are the Switchcraft 3502 plugs, available from just about anyone,
Digikey, Mouser, Allied, Newark and just about any reputable parts place.

6-32 bolts thread into the same holes as the feet for the AC-4.

73, Garey - K4OAH
Rome, GA

I will also add that you need to use connectors that will fit next to each other on the multi-socket phono strip. Some of them, especially the fancy ones, are too wide and will not allow you to plug in all of them as the bodies interfere.
73
**
Peter
**VE7PS*

On 3/9/2018 2:46 PM, Bruce bsugarberg@... [DrakeRadio] wrote:
>
> Hello,
>
> I am confused. 3 different sources state 3 different things about
> INJ/Osc cables:
>
> “For C-line Interconnect cable kit consists of two RG59/U cables for
> injection and carrier oscillator..."
> “For B-Line Interconnect cable kit consists of one RG59/U cable for
> injection..." (RG59 = 75 ohms).
>
> "The Drake INJ cables (they have little metal clips on them to show
> that's what they are) are special and MUST be used for VFO and Crystal
> OSC connections...they are RG62." (RG62 = 93 ohms).
>
> A 3rd source said that the cables should be RG58. (RG58 = 50 ohms).
>
> How important is Impedance?
>
> Would all 3 different impedance cables work?
>
> What did Drake use?
>

> 73, Bruce WA8TNC
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

43601. AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-09 23:19:57 UTC
From: Rory
Topic: 43601 Message: 43601

So question, what makes the AC-4 power supplies so darned expensive on the used market at times costing more than the radio?

Anyway I'll quit my you know what and keep looking.

If anybody has an AC-4 they no longer need or that is not working because of bad caps I'll be happy to take it off your hands if the price is right.

I just received my T-4XC and getting closer to getting on the air.

73

N6OIL, Rory

43602. Re: AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-09 23:36:16 UTC
From: johng101501@...
Topic: 43601 Message: 43602

Hello, Rory- I think it is because it costs between 65 and 100 dollars to rebuild them. The supplies i see are about 130 bucks before they are rebuilt. I guess everything keeps going up

43603. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-09 23:37:54 UTC
From: Evan
Topic: 43601 Message: 43603

Rory,

Might want to put things in perspective by comparing the price of an AC-4 to the Collins power supplies, hi hi.

73,

Evan, K9SQG

-----Original Message-----
From: Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Fri, Mar 9, 2018 6:20 pm
Subject: [DrakeRadio] AC-4 PS

So question, what makes the AC-4 power supplies so darned expensive on the used market at times costing more than the radio?

Anyway I'll quit my you know what and keep looking.

If anybody has an AC-4 they no longer need or that is not working because of bad caps I'll be happy to take it off your hands if the price is right.

I just received my T-4XC and getting closer to getting on the air.

73

N6OIL, Rory

43604. Re: [DrakeRadio] Interconnect Cables Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 00:09:24 UTC
From: Kc9cdt@...
Topic: 43598 Message: 43604

OK, I was wrong...I thought they were 62...they are 59 as you found...and yes, they have little metal clips so you know thats what they are...The RG-62 is used internal for filter wiring...(I have 4 ft of it I got for that a long time ago)...

But anyway you look at it the INJ/OSC cables are not regular RCA audio cables.

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Bruce bsugarberg@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Fri, Mar 9, 2018 5:56 pm
Subject: [DrakeRadio] Interconnect Cables Question

Hello,

I am confused. 3 different sources state 3 different things about INJ/Osc cables:

“For C-line Interconnect cable kit consists of two RG59/U cables for injection and carrier oscillator..."
“For B-Line Interconnect cable kit consists of one RG59/U cable for injection..." (RG59 = 75 ohms).

"The Drake INJ cables (they have little metal clips on them to show that's what they are) are special and MUST be used for VFO and Crystal OSC connections...they are RG62." (RG62 = 93 ohms).

A 3rd source said that the cables should be RG58. (RG58 = 50 ohms).

How important is Impedance?

Would all 3 different impedance cables work?

What did Drake use?

73, Bruce WA8TNC

43605. Re: [DrakeRadio] Interconnect Cables Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 00:12:37 UTC
From: Kc9cdt@...
Topic: 43598 Message: 43605

Bruce ...
These are original Drake cables and yes the impedance is important.
These are all original Drake cables I have (of course not the Collins ones)...
These are the ones that came with the radios from Drake.
The OSC and INJ connect stages together from the RX to TX and I was told by all the Drake heavys they need to be correct.

That's what I know, and that's waht I have always done and it all worked great.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Bruce bsugarberg@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
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"The Drake INJ cables (they have little metal clips on them to show that's what they are) are special and MUST be used for VFO and Crystal OSC connections...they are RG62." (RG62 = 93 ohms).

A 3rd source said that the cables should be RG58. (RG58 = 50 ohms).

How important is Impedance?

Would all 3 different impedance cables work?

What did Drake use?

73, Bruce WA8TNC

43606. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 00:19:41 UTC
From: Kc9cdt@...
Topic: 43601 Message: 43606

Because a decent AC-4 has been rebuilt with a kit...and the kit is $60+ and the labor to do it.
A reakky goos AC-4 should be about $175

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Fri, Mar 9, 2018 6:20 pm
Subject: [DrakeRadio] AC-4 PS

So question, what makes the AC-4 power supplies so darned expensive on the used market at times costing more than the radio?

Anyway I'll quit my you know what and keep looking.

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I just received my T-4XC and getting closer to getting on the air.

73

N6OIL, Rory

43607. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 00:20:14 UTC
From: Kc9cdt@...
Topic: 43601 Message: 43607

Really good, I meant to say, Ha, Ha...

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@...m>
Sent: Fri, Mar 9, 2018 6:20 pm
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73

N6OIL, Rory

43608. Re: [DrakeRadio] Interconnect Cables Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 00:22:59 UTC
From: Richard Knoppow
Topic: 43598 Message: 43608

My understanding, at least for the B line, is that the
impedance is not so important as the total capacitance of the cable.
See
http://www.zerobeat.net/drakelist/injection.html
--
Richard Knoppow
1oldlens1@...
WB6KBL

43609. Re: [DrakeRadio] Interconnect Cables Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 00:25:46 UTC
From: Kc9cdt@...
Topic: 43598 Message: 43609

Guys, why not just use the Drake original cables and you know your good...if someone does an alignment with different cables then you may have to do an alignment...and not everyone out there can do that (have equipment).
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Richard Knoppow <1oldlens1@...>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Kc9cdt <Kc9cdt@...>; bsugarberg <bsugarberg@...>
Sent: Fri, Mar 9, 2018 7:23 pm
Subject: Re: [DrakeRadio] Interconnect Cables Question

My understanding, at least for the B line, is that the
impedance is not so important as the total capacitance of the cable.
See
http://www.zerobeat.net/drakelist/injection.html
--
Richard Knoppow
1oldlens1@...
WB6KBL

43610. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 00:26:14 UTC
From: john g
Topic: 43601 Message: 43610

And that would be completing the upgrade for free Lee- I personally would charge 100 dollars to Install one from start to finish - . Collins ps are wayyyy higher.

On ☐Friday☐, ☐March☐ ☐9☐, ☐2018☐ ☐07☐:☐22☐:☐23☐ ☐PM☐ ☐EST, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

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Lee SimmondsSummit DCS 260-403-6936 Cell

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From: Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
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I just received my T-4XC and getting closer to getting on the air.

73
N6OIL, Rory

43611. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 00:36:44 UTC
From: Kc9cdt@...
Topic: 43601 Message: 43611

Yes, you are correct.....The one I have is primo, 115/220 switch, late S/N and has a recent heathkit shop kit in it by me...so I guess I would want more like $275
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: john g johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Fri, Mar 9, 2018 7:26 pm
Subject: Re: [DrakeRadio] AC-4 PS

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Lee Simmonds
Summit DCS

260-403-6936 Cell

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I just received my T-4XC and getting closer to getting on the air..

73

N6OIL, Rory

43612. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 00:40:14 UTC
From: Lacera DeWilde
Topic: 43601 Message: 43612

I have bought 3 AC-4s for under $90/each. Recap kit is $75 (Harbach) and takes about an hour to install. Try QTH, QRZ and eHam's sale ads for the best price. eBay is a rip.

Lacey 73
K4LCY

From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of john g johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Friday, March 9, 2018 7:26 PM
To: Kc9cdt@... [DrakeRadio]
Subject: Re: [DrakeRadio] AC-4 PS

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Summit DCS

260-403-6936 Cell

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To: DrakeRadio <DrakeRadio@yahoogroups.com>
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I just received my T-4XC and getting closer to getting on the air..

73

N6OIL, Rory

43613. Re: [DrakeRadio] Interconnect Cables Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 00:40:17 UTC
From: Bob Loving
Topic: 43598 Message: 43613

In a way, you are both correct.
From "Transmission Liens and Networks" by Walter Johnson, Princeton University, 1950: The characteristic impedance of a lossless transmission line is equal to SQRT (L/C), where SQRT is the "square root of" function.
Since the Drake 4-line cables are relatively short in terms of wavelength, they can be considered close enough to lossless that the above equation is valid. So, for a given fixed inductance per unit length (outer diameter of the inner conductors about equal), decreasing the capacitance will increase the impedance.
Bob K9JU

On Friday, March 9, 2018 7:26 PM, "Kc9cdt@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

  Guys, why not just use the Drake original cables and you know your good...if someone does an alignment with different cables then you may have to do an alignment...and not everyone out there can do that (have equipment).73,Lee

Lee SimmondsSummit DCS 260-403-6936 Cell

-----Original Message-----
From: Richard Knoppow <1oldlens1@....com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Kc9cdt <Kc9cdt@...>; bsugarberg <bsugarberg@...>
Sent: Fri, Mar 9, 2018 7:23 pm
Subject: Re: [DrakeRadio] Interconnect Cables Question

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See
http://www.zerobeat.net/drakelist/injection.html
--
Richard Knoppow
1oldlens1@...
WB6KBL

43614. Need help identifying a cable please

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 00:41:05 UTC
From: Kc9cdt@...
Topic: 43614 Message: 43614

Group,
I have a HV cable here I'm not sure what it is for. It was in my Drake parts box, so I do think it is for Drake?? Maybe not??

It has a Miller HV screw on connector on both ends, it is over 7 ft long.

??? any ideas. I would like to make it available as I don't need it in my parts anymore
Thanks

73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43615. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 00:44:23 UTC
From: Kc9cdt@...
Topic: 43601 Message: 43615

Yep about right if you are going to do it yourself...takes a little longer than an hour for me to do one, and I've done a few. But I like the Heathkit shop kit better.
No don't go e-bay, here, QTH, QRZ etc. That way you know what your geting...e-bay may just be a non-ham seller.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Lacera DeWilde ladewilde@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: john g johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com>; john g <johng101501@...>
Sent: Fri, Mar 9, 2018 7:40 pm
Subject: Re: [DrakeRadio] AC-4 PS

I have bought 3 AC-4s for under $90/each. Recap kit is $75 (Harbach) and takes about an hour to install. Try QTH, QRZ and eHam's sale ads for the best price. eBay is a rip.

Lacey 73
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From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of john g johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Friday, March 9, 2018 7:26 PM
To: Kc9cdt@... [DrakeRadio]
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To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Fri, Mar 9, 2018 6:20 pm

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I just received my T-4XC and getting closer to getting on the air...

73

N6OIL, Rory

43616. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 01:04:28 UTC
From: Macy monkeys
Topic: 43601 Message: 43616

i jnew wjat yoi meant!

John K7FD

> On Mar 9, 2018, at 4:20 PM, Kc9cdt@aol.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
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> Lee Simmonds
> Summit DCS
>
> 260-403-6936 Cell
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> -----Original Message-----
> From: Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>
> Sent: Fri, Mar 9, 2018 6:20 pm
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>
>
> 73
>
> N6OIL, Rory
>
>

43617. Re: [DrakeRadio] Interconnect Cables Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 01:54:02 UTC
From: Jim Shorney
Topic: 43598 Message: 43617

Of course if you want to match the orignal Drake spec for the critical cables EXACTLY you can adjust the length of your coax of choice to make the total capacitance of the cable (with connectors) equal to 60 pF. As long as it still reaches where it needs to go....

73

-Jim
NU0C

On Fri, 9 Mar 2018 15:00:07 -0800, VE7PS ve7ps@... [DrakeRadio] wrote:

>*To quote K4OAH - still with us in many ways....*
>
>All original cables were 38" long tip-to-tip.
>
>The INJ, (and CAR OSC in the C-Line,) cables used a foam inner
>dielectric and phono connectors
>with a white insulation. This cable measures 60 pF total capacity.
>
>All other cables used the standard for the day clear polyethelene inner
>dielectric and phenolic
>(brown) insulated phono connectors and measure ~100 pF.
>
>Original Drake INJ and CAR OSC Cables = 19 pF/ft = .160" o.d. (foam poly)
>
>RG-62 = 93R = 13.5 pF/ft = 0.240" o.d.
>RG-59 = 75R = 14.8 pF/ft = 0.242" o.d.
>RG-6 = 75R = 16.2 pF/ft = 0.270" o.d.
>RG-174= 50R = 30.8 pF/ft = 0.110" o.d.
>Mic Cable (Belden 8410) = Hi-Z = 33 pf/ft = 0.160" o.d. (foam poly)
>Mic Cable (Belden 8421) = Hi-Z = 16 pf/ft = 0.180" o.d. (foam poly)
>R/S Audio Patch Cable = 28 pF/ft = 0.165" o.d. (poly)
>
>The best choice is the Belden 8421 Audio cable from their "Brilliance"
>line. It looks just like
>the other cables, and is very flexible. K0UYA, another list member, had
>some 8421 at one time
>that he was selling by the foot. The RG-62 is OK, but it is 50% larger
>and far less flexible.
>RG-62 is also prone to shorting if bent over too small a radius, and is
>susceptible to heat
>damage when soldering connectors. The best "feature" of RG-62 is that it
>is often FREE, since
>there have been many miles of it pulled out of old computer networks.
>

>The only pertinent factor is the total capacity. Impedance and "loss"
>are not important.
>
>Any _reasonably low capacity_ coax will work if the units are cabled
>together for the
>adjustment of the INJ trimmers.
>
>The cable type ONLY affects the LEVEL of the PreMix signal, (5.645 MHz
>ABOVE the
>transmit/receive frequency,) and a small DC control voltage between the
>two. If the shunt
>capacity is too high, insufficient LO level for the first mixer will
>reduce the sensitivity of
>the receiver and the output power of the transmitter.
>
>Some of the "commercial" cable mfrs use RG-59A, but it's a little larger
>and also prone to
>shorting if bent over too tight a radius.
>
>The ANT lead to the receiver is too short to matter, but you want good
>shield integrity, which
>usually eliminates R/S cables.
>
>The best connectors I've found are the Switchcraft 3502 plugs, available
>from just about anyone,
>Digikey, Mouser, Allied, Newark and just about any reputable parts place.
>
>6-32 bolts thread into the same holes as the feet for the AC-4.
>
>73, Garey - K4OAH
>Rome, GA
>
>*I will also add that you need to use connectors that will fit next to
>each other on the multi-socket phono strip.-? Some of them, especially
>the fancy ones, are too wide and will not allow you to plug in all of
>them as the bodies interfere.*
>*73**
>**
>**Peter**
>**VE7PS*
>
>On 3/9/2018 2:46 PM, Bruce bsugarberg@... [DrakeRadio] wrote:
>>
>> Hello,
>>
>> I am confused. 3 different sources state 3 different things about
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>> G??For C-line Interconnect cable kit consists of two RG59/U cables for
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>> G??For B-Line Interconnect cable kit consists of one RG59/U cable for
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>> What did Drake use?
>>
>> 73, Bruce WA8TNC
>>
>

--
The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris,
"The Doctor's Wife"

43618. Re: TR4 crystal filters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 02:02:02 UTC
From: johng101501@...
Topic: 21465 Message: 43618

Steve, How does your tr4c work with these KVN filters in it? I have an old tr4 that has the usb and lsb filters in the same box but it isnt the soup can one. Im wondering how you like the german filters. Thanks, John KC2WTS

43619. Re: [DrakeRadio] Interconnect Cables Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 02:09:50 UTC
From: Kc9cdt@...
Topic: 43598 Message: 43619

Sure could, but I like just using the Drake cables and have never had a problem getting them...and the connectors are already installed...
73,
Lee

73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Fri, Mar 9, 2018 8:54 pm
Subject: Re: [DrakeRadio] Interconnect Cables Question

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>capacity is too high, insufficient LO level for the first mixer will
>reduce the sensitivity of
>the receiver and the output power of the transmitter.
>
>Some of the "commercial" cable mfrs use RG-59A, but it's a little larger
>and also prone to
>shorting if bent over too tight a radius.
>
>The ANT lead to the receiver is too short to matter, but you want good
>shield integrity, which
>usually eliminates R/S cables.
>
>The best connectors I've found are the Switchcraft 3502 plugs, available
>from just about anyone,
>Digikey, Mouser, Allied, Newark and just about any reputable parts place.
>
>6-32 bolts thread into the same holes as the feet for the AC-4.
>
>73, Garey - K4OAH
>Rome, GA
>

>*I will also add that you need to use connectors that will fit next to
>each other on the multi-socket phono strip.-? Some of them, especially
>the fancy ones, are too wide and will not allow you to plug in all of
>them as the bodies interfere.*
>*73**
>**
>**Peter**
>**VE7PS*
>
>On 3/9/2018 2:46 PM, Bruce bsugarberg@... [DrakeRadio] wrote:
>>
>> Hello,
>>
>> I am confused. 3 different sources state 3 different things about
>> INJ/Osc cables:
>>
>> G??For C-line Interconnect cable kit consists of two RG59/U cables for
>> injection and carrier oscillator..."
>> G??For B-Line Interconnect cable kit consists of one RG59/U cable for
>> injection..."-? (RG59 = 75 ohms).
>>
>> "The Drake INJ cables (they have little metal clips on them to show
>> that's what they are) are special and MUST be used for VFO and Crystal
>> OSC connections...they are RG62."-? (RG62 = 93 ohms).
>>
>> A 3rd source said that the cables should be RG58.-? (RG58 = 50 ohms)..
>>
>> How important is Impedance?
>>
>> Would all 3 different impedance cables work?
>>
>> What did Drake use?
>>
>> 73, Bruce WA8TNC
>>
>

--
The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris,
"The Doctor's Wife"

Yahoo Groups Links

43620. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 02:17:13 UTC
From: Paul Kraemer
Topic: 43601 Message: 43620

I recondition and sell both Drake and Collins supplies.
Drake are always less than $200 with rebuild kit, guaranteed, and ready to go.
Collins supplies are usually around $300 also new rebuild kit and guaranteed.
I suppose I could charge more, and would on ebay, but then they get 13 pct off the top
Don’t have any of either ready to go out the door today but can on short notice
Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com
Sent: Friday, March 09, 2018 5:37 PM
To: DrakeRadio@yahoogroups.com ; n6oil@...
Subject: Re: [DrakeRadio] AC-4 PS

Rory,

Might want to put things in perspective by comparing the price of an AC-4 to the Collins power supplies, hi hi.

73,

Evan, K9SQG

-----Original Message-----
From: Rory n6oil@arrl.net [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Fri, Mar 9, 2018 6:20 pm
Subject: [DrakeRadio] AC-4 PS

So question, what makes the AC-4 power supplies so darned expensive on the used market at times costing more than the radio?

Anyway I'll quit my you know what and keep looking.

If anybody has an AC-4 they no longer need or that is not working because of bad caps I'll be happy to take it off your hands if the price is right.

I just received my T-4XC and getting closer to getting on the air.

73

N6OIL, Rory

43621. AC-4 question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 02:00:55 UTC
From: dshuev@...
Topic: 43621 Message: 43621
Attachments: 3 described; binary payloads are missing from this source WARC

Hello:

I am currently preparing to bring my TR-4/RV-4 combo on air for the first time (had them in storage since I got them 10 years ago), and have decided to try my hand at cap re-stuffing on a spare AC-4 power supply I had boxed since I don't know when. S/N 57779

Two things have jumped at me, and I hope someone can provide an input as to what exactly do I have here.

First - there appears to be a switch at the back of the unit, allowing 120 or 240 VAC operation
Second - it has what looks like a factory installed proper North American 3-prong plug, with grounding pin and all

Unit appears to be very clean and unmolested, right down to neatly coiled cables, and probably didn't see much use at all.

Question - what type of PS do I have on my hands? Some later variation with an International voltage option? And given its current state, should I still replace the electrolytics just as a precaution, or leave everything in place, unless a problem manifests itself?

I am attaching some photos for reference.

Regards,
Dmitri / VA3VRE

43622. Drake Microphone and Crystals FS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-11 18:49:59 UTC
From: Ken, W8EK
Topic: 43622 Message: 43622

Drake Hand Mic and Crystals For Sale:
.

.
Drake 7073 Hand Microphone:

The Drake 7073 is a hand microphone used on many of
Drake's rigs. It may be used on a TR-7, among others.

I am told that it is a dynamic mic. This one has a 4
pin connector on it.

This one works fine and looks extremely nice --
close to new.

Only $30.
.

.
Drake "4 line" Crystals:

I have some crystals that can be used in the
Drake "4 line" to give additional frequency
coverage. The crystals say R-4 B on them, but
should be suitable for most any of the rigs
in the "4 line".

Crystal Frequency gives band coverage of
(All in MHz)
13.6 -> 2.5 to 3.0
14.1 -> 3.0 to 3.5
15.6 -> 4.5 to 5.0
18.6 -> 7.5 to 8.0
27.1 -> 16.0 to 16.5
27.6 -> 16.5 to 17.0
28.1 -> 17.0 to 17.5

All crystals are $10 each, or five for $40.
.

.
I also have many other accessories available such as many
different types of microphones, HTs, VHF and UHF rigs, HF
and VHF/UHF antennas, connectors, miscellaneous accessories,
etc.
Just too many to list here. Please e-mail your requests.

.
Prices do not include shipping from Florida.

.
Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

.

43623. Re: [DrakeRadio] AC-4 question [3 Attachments]

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 18:16:06 UTC
From: Barry
Topic: 43621 Message: 43623

If I'm not mistaken, one of those can capacitors has a date code from 1977. You could get lucky but electrolytics that old deserve to be retired/replaced.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "dshuev@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Sunday, March 11, 2018 9:00:55 PM
> Subject: [DrakeRadio] AC-4 question [3 Attachments]
>
> Hello:
>
>
> I am currently preparing to bring my TR-4/RV-4 combo on air for the first
> time (had them in storage since I got them 10 years ago), and have decided
> to try my hand at cap re-stuffing on a spare AC-4 power supply I had boxed
> since I don't know when. S/N 57779
>
>
> Two things have jumped at me, and I hope someone can provide an input as to
> what exactly do I have here.
>
>
> First - there appears to be a switch at the back of the unit, allowing 120
> or 240 VAC operation
> Second - it has what looks like a factory installed proper North American
> 3-prong plug, with grounding pin and all
>
>
> Unit appears to be very clean and unmolested, right down to neatly coiled
> cables, and probably didn't see much use at all.
>
>
> Question - what type of PS do I have on my hands? Some later variation with
> an International voltage option? And given its current state, should I
> still replace the electrolytics just as a precaution, or leave everything
> in place, unless a problem manifests itself?
>
>
> I am attaching some photos for reference.
>
>
> Regards,

> Dmitri / VA3VRE
>
>

43624. Updated list of Drake parts for sale.....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 01:22:40 UTC
From: Kc9cdt@...
Topic: 43624 Message: 43624

There is a lot of good parts here at a good price...sue do want you guys to get what you want.....
Soon I will make them available to e-bay buyers and the cost will probably be higher in most cases.
I think I have the prices very fair??

You all have first grabs on what's left.

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $60.
3) Replacement snap switch NOS for R4 function switch (This is the one that goes on the back of the F. switch).....$30
5) 1.5 KC 2nd IF crystal filter for R-4C (5695KC)....$40
7) Knob for L-4B WITH white line NOS.....$10.
8) Knob for L-4B No white line NOS....$10
9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
11) New bottem cover for AC-4 PS....$1
12) New Plate meter for TR-4 etc....P/N 358-0160....$30
13) New Plate meter for TR-4 etc....P/N 358-0160....$30
14) New S meter for R4 rcvr P/N 358-0130......$30
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr-4 as well??) P/N 366-0255....$30
21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr-4 as well??) P/N 366-0255....$30
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$10
24) 3 R-4C filter hold down brackets NOS....$5
26) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
27) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
28) USED plug in relay for TX (marked works fine needs cleaning......$10
30) Brand new Astatic D-104 Mic element......$30 (I got this before they went out of business)
35) 2 4C line main tuning knob skirts....$10
36) 2 4C line main tuning knob skirts....$10
40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
41) 3 R-4C filter hold down brackets, used...$5
44) 4 plastic tapered feet for 4 line NOS.....$8
46) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10

47) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10
50) 1 NOS AC-4 cable plug (cinch).....$10
52) 7 R-4C plastic standoff/snapons for mounting R-4C NB....$10 (These get broken)
53) 2 LEFT plastic side plates for TR-7 series cabinets (I think that is what these are, P/N 345-5000L...$5
54) 1 TR-7 bandswitch /skirt and knob P/N 445-4008 bandswitch markings.....$30 (almost impossible to find)
55) 8 used pulls nixi tubes digital readout for TR-7 I think...unknow operating condition...$1
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
60) 12 black cabinet screws with phillips head(nice no slip off)....$5
62) 1 D-104 HEAD ONLY in near perfect condition with bad element (I have elements for sale here on list)....$10
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
67) 40 Screw on style standard BAR knobs NOS or excellent cond.....$2 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$10
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$10
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$10
71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$5
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$2
73) 2 pieces blue lense plastic for dial 3" x 6"....$2
74) 2 bulbs (fuse??) P/N 347-0161...$10
75) 2 NEW 4 segment RED LED display units (total 8 digits...TR-7??...P/N 308-0022...$5
76) 2 NEW 2 Segment RED LED display units (total 4 digits)..TR-7??...P/N 308-0021...$2
77) 1 New Jersey Semiconductor 2N2430....NOS...$2
78) 3 New Jersey Semiconductor 2N2926....NOS...$6
79) 2 New Jersey Semiconductor 2N3638....NOS...$4
80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
81) Drake R-4C dummy plug for radio without Noise Blanker.....(very rare to find) $15.

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.

73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43625. TR4 for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 12:59:57 UTC
From: johng101501@...
Topic: 2537 Message: 43625

Drake TR4 for sale serial 23978 It works , with output around 140 watts . It needs the crystal filters replaced I have a set of filters out of another TR4. that goes with it and some parts- faceplate etc. Make me an offer. Decent please- these could be a beautiful radio to someone with the time. Im moving soon and I dont want to bring anything extra.

43626. tube choices

Yahoo group: DrakeRadio (2018)
Date: 2018-03-11 19:30:22 UTC
From: johng101501@...
Topic: 43626 Message: 43626

anybody had any luck with Raytheon finals?

43627. Re: [DrakeRadio] Updated list of Drake parts for sale.....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 18:57:48 UTC
From: el34guy@...
Topic: 43624 Message: 43627

Hello Lee,

I will take
24 - 5 bux
53 - 5 bux
55 - 1 buck
75 - 5 bux
76 - 2 bux

Let me know how to pay you Lee??

73
Mark
W0NCL

-----Original Message-----
From: Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: drakeradio <drakeradio@yahoogroups.com>
Sent: Mon, Mar 12, 2018 1:44 pm
Subject: [DrakeRadio] Updated list of Drake parts for sale......

There is a lot of good parts here at a good price...sue do want you guys to get what you want.....
Soon I will make them available to e-bay buyers and the cost will probably be higher in most cases.
I think I have the prices very fair??

You all have first grabs on what's left.

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

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Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.

73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43628. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 15:43:15 UTC
From: Paul Kraemer
Topic: 43601 Message: 43628

One thing nobody has mentioned is the incoming shipping unless you are fortunate enough to have hamfests near you and find gear in the flesh.
I don’t so my shopping cart is parked on ebay which means incoming shipping expense which is usually inflated.
By the time I find a decent rebuildable supply for less than $100 it is $130 before it gets here. Adding the ES4AC4 kit at cost, doing the labor, guaranteeing something which I got at risk---$199 seems fair to me.
The reason I have them to sell is developing the kits one needs more than a couple samples to work from to try to catch all the manufacturer deviations from “standard”. Develop a kit around one product sample and it will be the only one in the universe built like that.
BTDT!
I’m happy to move them off the shelf after they have served the purpose here
Paul K0UYA

From: Rory
Sent: Saturday, March 10, 2018 8:05 AM
To: DrakeRadio@yahoogroups.com ; Paul Kraemer
Subject: Re: [DrakeRadio] AC-4 PS

Well, I hope to find a unit that needs the rebuild because I have no problem doing it.

N6OIL, Rory

On Fri, Mar 9, 2018 at 6:17 PM, 'Paul Kraemer' elespe@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I recondition and sell both Drake and Collins supplies.
Drake are always less than $200 with rebuild kit, guaranteed, and ready to go.
Collins supplies are usually around $300 also new rebuild kit and guaranteed.
I suppose I could charge more, and would on ebay, but then they get 13 pct off the top
Don’t have any of either ready to go out the door today but can on short notice
Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com
Sent: Friday, March 09, 2018 5:37 PM
To: DrakeRadio@yahoogroups.com ; n6oil@...
Subject: Re: [DrakeRadio] AC-4 PS

Rory,

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73,

Evan, K9SQG

-----Original Message-----
From: Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Fri, Mar 9, 2018 6:20 pm
Subject: [DrakeRadio] AC-4 PS

So question, what makes the AC-4 power supplies so darned expensive on the used market at times costing more than the radio?

Anyway I'll quit my you know what and keep looking.

If anybody has an AC-4 they no longer need or that is not working because of bad caps I'll be happy to take it off your hands if the price is right.

I just received my T-4XC and getting closer to getting on the air.

73

N6OIL, Rory

43629. Crystals for Sale or trade

Yahoo group: DrakeRadio (2018)
Date: 2018-03-11 12:51:12 UTC
From: <w5sum@...>
Topic: 43629 Message: 43629

Good morning fellow Drakesters
I have the following Crystals for the R4 or 2B series that are surplus to my needs. Plus I need a few so maybe we can do some trading.
The ones I have that are surplus to my needs are 12.6, 12.9, 19.1, 40.1 and 40.6

I am looking for the following crystals. 23.1, 24.6, 26.1 and 28.1

Failing to find trades for the ones I need.. I will be willing to sell the ones I have surplus.

thanks and God bless

Ronnie W5SUM

43630. 4 NOS metal upright multisection CAPS FS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 21:29:49 UTC
From: Kc9cdt@...
Topic: 43630 Message: 43630
Attachments: 1 described; binary payloads are missing from this source WARC

Found these in my Drake box....
4 NOS Electrolytic caps....for various Drake radios....

How about $25 for all 4...shipped Cont US
Photo attached

73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43631. (no subject)

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 12:11:47 UTC
From: LAWRENCE MATHESON
Topic: 43631 Message: 43631

Test message

43632. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 19:22:34 UTC
From: Kc9cdt@...
Topic: 43601 Message: 43632

Paul,
Very fair indeed...
I have done a few...and it does take time to do it right...
Folks always have an option of buying an UNKNOWN off e-bay, and doing it all them selves.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: 'Paul Kraemer' elespe@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: Drake <DrakeRadio@yahoogroups.com>
Sent: Mon, Mar 12, 2018 3:07 pm
Subject: Re: [DrakeRadio] AC-4 PS

One thing nobody has mentioned is the incoming shipping unless you are fortunate enough to have hamfests near you and find gear in the flesh.
I don’t so my shopping cart is parked on ebay which means incoming shipping expense which is usually inflated.
By the time I find a decent rebuildable supply for less than $100 it is $130 before it gets here. Adding the ES4AC4 kit at cost, doing the labor, guaranteeing something which I got at risk---$199 seems fair to me.
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Don’t have any of either ready to go out the door today but can on short notice

Paul K0UYA

From: mailto:DrakeRadio@yahoogroups..com

Sent: Friday, March 09, 2018 5:37 PM

To: DrakeRadio@yahoogroups.com ; n6oil@...

Subject: Re: [DrakeRadio] AC-4 PS

Rory,

Might want to put things in perspective by comparing the price of an AC-4 to the Collins power supplies, hi hi.

73,

Evan, K9SQG

-----Original Message-----
From: Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Fri, Mar 9, 2018 6:20 pm
Subject: [DrakeRadio] AC-4 PS

So question, what makes the AC-4 power supplies so darned expensive on the used market at times costing more than the radio?

Anyway I'll quit my you know what and keep looking.

If anybody has an AC-4 they no longer need or that is not working because of bad caps I'll be happy to take it off your hands if the price is right.

I just received my T-4XC and getting closer to getting on the air.

73

N6OIL, Rory

43633. Re: [DrakeRadio] Crystals for Sale or trade

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 19:25:23 UTC
From: Kc9cdt@...
Topic: 43629 Message: 43633

Ronnie,
I have a 26.1 FS if you don't work out something...
$15, shipped.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Mon, Mar 12, 2018 3:07 pm
Subject: [DrakeRadio] Crystals for Sale or trade

Good morning fellow Drakesters
I have the following Crystals for the R4 or 2B series that are surplus to my needs. Plus I need a few so maybe we can do some trading.
The ones I have that are surplus to my needs are 12.6, 12.9, 19.1, 40.1 and 40.6

I am looking for the following crystals. 23.1, 24.6, 26.1 and 28.1

Failing to find trades for the ones I need.. I will be willing to sell the ones I have surplus.

thanks and God bless

Ronnie W5SUM

43634. Re: [DrakeRadio] R-4 (SPR-4?) crystal eliminator kit/extras

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 21:06:51 UTC
From: Kc9cdt@...
Topic: 43434 Message: 43634

Ray,
If you want this Crystal eliminator parts kit...
$25.00 shipped.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: RAY FRIESS rayfrijr@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Tue, Feb 27, 2018 1:07 pm
Subject: Re: [DrakeRadio] R-4 (SPR-4?) crystal eliminator kit/extras

I'm interested in this. Ray wa7itz

Sent from my Verizon LG Smartphone

------ Original message------
From: Kc9cdt@... [DrakeRadio]
Date: Tue, Feb 27, 2018 10:44 AM
To: drakeradio@yahoogroups.com;
Cc:
Subject:[DrakeRadio] R-4 (SPR-4?) crystal eliminator kit/extras

Hi guys,
From Tom N0SS

I have a R4 crystal eliminator mini kit and extras (pc boards for vfd mount, front panel, copper both sides) AND 2 aluminum plates cut for front panel, instructions and decals for front panel....

All for $75. shipped Cont US...
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43635. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 14:05:34 UTC
From: Rory
Topic: 43601 Message: 43635

Well, I hope to find a unit that needs the rebuild because I have no
problem doing it.

N6OIL, Rory

On Fri, Mar 9, 2018 at 6:17 PM, 'Paul Kraemer' elespe@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> I recondition and sell both Drake and Collins supplies.
> Drake are always less than $200 with rebuild kit, guaranteed, and ready to
> go.
> Collins supplies are usually around $300 also new rebuild kit and
> guaranteed.
> I suppose I could charge more, and would on ebay, but then they get 13 pct
> off the top
> Don’t have any of either ready to go out the door today but can on short
> notice
> Paul K0UYA
>
> *From:* mailto:DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com>
> *Sent:* Friday, March 09, 2018 5:37 PM
> *To:* DrakeRadio@yahoogroups.com ; n6oil@...
> *Subject:* Re: [DrakeRadio] AC-4 PS
>
>
>
> Rory,
>
> Might want to put things in perspective by comparing the price of an AC-4
> to the Collins power supplies, hi hi.
>
> 73,
>
> Evan, K9SQG
>
>
> -----Original Message-----
> From: Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>
> Sent: Fri, Mar 9, 2018 6:20 pm
> Subject: [DrakeRadio] AC-4 PS
>
>
> So question, what makes the AC-4 power supplies so darned expensive on the

> used market at times costing more than the radio?
>
> Anyway I'll quit my you know what and keep looking.
>
> If anybody has an AC-4 they no longer need or that is not working because
> of bad caps I'll be happy to take it off your hands if the price is right.
>
>
> I just received my T-4XC and getting closer to getting on the air.
>
>
>
> 73
>
> N6OIL, Rory
>
>
>
>

43636. Re: [DrakeRadio] Interconnect Cables Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 14:18:53 UTC
From: Curt Nixon
Topic: 43598 Message: 43636

Garey had it right...it was all about the capacitance of the cable, and its affect on the calibration, more than the impedance. THat being said, I have used RG-59 and RG-58 with no issues on A and B line connects.

KU8L

On 3/9/2018 7:09 PM, Kc9cdt@... [DrakeRadio] wrote:

OK, I was wrong...I thought they were 62...they are 59 as you found...and yes, they have little metal clips so you know thats what they are...The RG-62 is used internal for filter wiring...(I have 4 ft of it I got for that a long time ago)...

But anyway you look at it the INJ/OSC cables are not regular RCA audio cables.

Lee Simmonds

Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Bruce bsugarberg@... [DrakeRadio]
To: DrakeRadio
Sent: Fri, Mar 9, 2018 5:56 pm
Subject: [DrakeRadio] Interconnect Cables Question

Hello,

I am confused. 3 different sources state 3 different things about INJ/Osc cables:

“For C-line Interconnect cable kit consists of two RG59/U cables for injection and carrier oscillator..."
“For B-Line Interconnect cable kit consists of one RG59/U cable for injection..." (RG59 = 75 ohms).

"The Drake INJ cables (they have little metal clips on them to show that's what they are) are special and MUST be used for VFO and Crystal OSC connections...they are RG62." (RG62 = 93 ohms).

A 3rd source said that the cables should be RG58. (RG58 = 50 ohms).

How important is Impedance?

Would all 3 different impedance cables work?

What did Drake use?

73, Bruce WA8TNC

(https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=icon)

Virus-free. www.avast.com (https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=link)

43637. 4 NOS metal upright multisection CAPS FS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 21:27:07 UTC
From: Kc9cdt@...
Topic: 43630 Message: 43637
Attachments: 1 described; binary payloads are missing from this source WARC

Found these in my Drake box....
4 NOS Electrolytic caps....for various Drake radios....

How about $25 for all 4...shipped Cont US
Photo attached

73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43638. AC3 FS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-11 17:27:46 UTC
From: Ronnie Hull
Topic: 43638 Message: 43638

I have a AC3 that is surplus to my needs here. I used it this morning to power up my T4XB and it works HOWEVER it needs the filters upgraded

Price is $50 plus $20 for double boxed insured shipping in 48 states.

Ronnie W5SUM

Sent from my iPhone

43639. Drake, R4 crystal eliminator kit FOR SALE

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 14:30:32 UTC
From: Kc9cdt@...
Topic: 43639 Message: 43639
Attachments: 1 described; binary payloads are missing from this source WARC

Hi guys,
OK, I still have this Drake R4 crystal eliminator kit.
I don't want to pitch it out....

PHOTO ATTACHED

So, it is FS for $25 shipped Cont US.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43640. F.S. Drake Manuals

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 20:18:10 UTC
From: Joseph Trombino, Jr
Topic: 43640 Message: 43640

Howdy Fellow Drakesters:

I have for sale two manuals for the Drake MN-4 Antenna Tuner.

The first is an original Drake manual that I will ship for $15….in very good condition.

The second is an MN-4 copy of the Drake manual which is in very good condition….will ship for $10.

73, Joe W2KJ
Drake C-Line

43641. Drake, R4 crystal eliminator kit FOR SALE

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 14:32:51 UTC
From: Kc9cdt@...
Topic: 43639 Message: 43641
Attachments: 1 described; binary payloads are missing from this source WARC

Hi guys,
OK, I still have this Drake R4 crystal eliminator kit.
I don't want to pitch it out....

PHOTO ATTACHED

So, it is FS for $25 shipped Cont US.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43642. Re: [DrakeRadio] tube choices

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 20:21:21 UTC
From: Doug Coffman
Topic: 43626 Message: 43642

I’ve have a pair in one of my T4XC transmitter for 3 years without issue. Everyone wants Sylvania therefore I was able to buy them at a cheap price.

Doug - N9XTF

Sent from my iPhone

> On Mar 11, 2018, at 15:30, johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> anybody had any luck with Raytheon finals?
>
>

43643. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 16:58:22 UTC
From: Steve Wedge
Topic: 43601 Message: 43643

Possibly more. The ones with the line voltage switch are prized and I've seen original (not rebuilt) ones go for that price. In fact, I sold one about 4 years ago for that price.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Fri, Mar 9, 2018 at 7:36 PM, Kc9cdt@aol.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Yes, you are correct.....The one I have is primo, 115/220 switch, late S/N
> and has a recent heathkit shop kit in it by me...so I guess I would want
> more like $275
> 73,
> Lee
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 <(260)%20403-6936> Cell
>
>
> -----Original Message-----
> From: john g johng101501@yahoo.com [DrakeRadio] <
> DrakeRadio@yahoogroups.com>
> To: Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
> Sent: Fri, Mar 9, 2018 7:26 pm
> Subject: Re: [DrakeRadio] AC-4 PS
>
>
> And that would be completing the upgrade for free Lee- I personally would
> charge 100 dollars to Install one from start to finish - . Collins ps are
> wayyyy higher.
>
> On ☐Friday☐, ☐March☐ ☐9☐, ☐2018☐ ☐07☐:☐22☐:☐23☐ ☐PM☐ ☐EST, Kc9cdt@...
> [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> Really good, I meant to say, Ha, Ha...
>
> Lee Simmonds

> Summit DCS
>
> 260-403-6936 <(260)%20403-6936> Cell
>
>
> -----Original Message-----
> From: Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>
> Sent: Fri, Mar 9, 2018 6:20 pm
> Subject: [DrakeRadio] AC-4 PS
>
>
> So question, what makes the AC-4 power supplies so darned expensive on the
> used market at times costing more than the radio?
>
> Anyway I'll quit my you know what and keep looking.
>
> If anybody has an AC-4 they no longer need or that is not working because
> of bad caps I'll be happy to take it off your hands if the price is right.
>
>
> I just received my T-4XC and getting closer to getting on the air...
>
>
>
> 73
>
> N6OIL, Rory
>
>
>

43644. Re: [DrakeRadio] Need help identifying a cable please

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 07:12:53 UTC
From: Gary Follett
Topic: 43614 Message: 43644

From your description I am quite sure it is for an L4 or si liar.

Many amps used that connector.

Gary

Sent from my iPad

> On Mar 10, 2018, at 1:41 AM, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Group,
>
> I have a HV cable here I'm not sure what it is for. It was in my Drake parts box, so I do think it is for Drake?? Maybe not??
>
> It has a Miller HV screw on connector on both ends, it is over 7 ft long.
>
> ??? any ideas. I would like to make it available as I don't need it in my parts anymore
> Thanks
>
> 73,
> Lee
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 Cell
>

43645. Re: TR4 crystal filters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 20:51:14 UTC
From: Ham Radio
Topic: 21465 Message: 43645

I purchased a new Inrad TR-4 LSB Crystal Filter in October 2017 and it failed 2 weeks ago! Contacted Inrad and no response. Not very impressed ...

73, Bernie, VE3FWF

Sent from my iPad

43646. Drake TR4 for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 12:36:21 UTC
From: johng101501@...
Topic: 43646 Message: 43646

Drake TR4 for sale serial number 23798-- It needs a new crystal filter but does work , Power out about 140 watts on 40 meters which is my only band. It is no beauty queen but can be brought back to very nice condition with some TLC . Offers ?

43647. Power supplies

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 20:52:28 UTC
From: Brian Smith
Topic: 2689 Message: 43647

Ok. Dumb question here...I’ve never inspected mine super close but is the power supply for the L4-B an AC-3 or AC-4? I’m thinking 4. All this talk of power supplies got me curious

Brian Smith

43648. Re: [DrakeRadio] AC3 FS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 21:00:38 UTC
From: Joni Zornes
Topic: 43638 Message: 43648

I would be interested, Ronnie

On Sun, Mar 11, 2018 at 12:27 PM, Ronnie Hull w5sum@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> I have a AC3 that is surplus to my needs here. I used it this morning to
> power up my T4XB and it works HOWEVER it needs the filters upgraded
>
> Price is $50 plus $20 for double boxed insured shipping in 48 states.
>
> Ronnie W5SUM
>
> Sent from my iPhone
>
>

43649. Re: [DrakeRadio] AC-4 PS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-10 07:46:10 UTC
From: Kc9cdt@...
Topic: 43601 Message: 43649

Paul,
Your a good guy...thanks for being fair....I may need a Collins supply in the near future.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: 'Paul Kraemer' elespe@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Evan <k9sqg@...>
Sent: Fri, Mar 9, 2018 9:17 pm
Subject: Re: [DrakeRadio] AC-4 PS

I recondition and sell both Drake and Collins supplies.
Drake are always less than $200 with rebuild kit, guaranteed, and ready to go.
Collins supplies are usually around $300 also new rebuild kit and guaranteed.
I suppose I could charge more, and would on ebay, but then they get 13 pct off the top
Don’t have any of either ready to go out the door today but can on short notice
Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com
Sent: Friday, March 09, 2018 5:37 PM
To: DrakeRadio@yahoogroups.com ; n6oil@...
Subject: Re: [DrakeRadio] AC-4 PS

Rory,

Might want to put things in perspective by comparing the price of an AC-4 to the Collins power supplies, hi hi.

73,

Evan, K9SQG

-----Original Message-----
From: Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Fri, Mar 9, 2018 6:20 pm
Subject: [DrakeRadio] AC-4 PS

So question, what makes the AC-4 power supplies so darned expensive on the used market at times costing more than the radio?

Anyway I'll quit my you know what and keep looking.

If anybody has an AC-4 they no longer need or that is not working because of bad caps I'll be happy to take it off your hands if the price is right.

I just received my T-4XC and getting closer to getting on the air.

73

N6OIL, Rory

43650. eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 21:21:47 UTC
From: Jeffrey Angus
Topic: 43650 Message: 43650

Why do so many people think that services should be free?

Prior to eBay, if I wanted to sell something, I had to either
drive to a swap meet/ham fest (and pay fees) or pay for a
classified ad in the paper or a magazine.
eBay is a world wide venue, or you can limit it to stateside
if you want or even local pick up only if you don't like to
ship things.
But you have a by far wider potential pool of buyers that you
would just setting a card table up in your driveway.
The reach you have via eBay is a service.

Prior to PayPal, As a seller, I had to wait until a check cleared
the bank or I could open a merchant account at the bank and
buy a credit card terminal (and pay fees.)
As a buyer, I had to contend with people that expected me to
waste an hour of my time + the fee to get a postal money order
at the Post Office.
PayPal solved the problem. "Click....here's you money."
That is, like eBay, a service.
Of course, you can request the buyer to send you money as
a gift. Which, by the way, is "theft of service" and PayPal takes
a very dim view of it.

The fees for both eBay and PayPal are called the "Cost of doing
business.

Do you honestly think they should be free?

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43651. Re: [DrakeRadio] AC-4 question [3 Attachments]

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 21:25:10 UTC
From: Steve Wedge
Topic: 43621 Message: 43651

This supply is prized by collectors and those in countries with 220/230V mains (even though you can rewire the primaries on older supplies). Looks to be in great shape but I would still rebuild it either with one of the two rebuild kits or with Hayseed replacement caps. The Hayseed route is more expensive but keeps the original look.

73,

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Mar 11, 2018 at 10:00 PM, dshuev@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Hello:
>
> I am currently preparing to bring my TR-4/RV-4 combo on air for the first
> time (had them in storage since I got them 10 years ago), and have decided
> to try my hand at cap re-stuffing on a spare AC-4 power supply I had boxed
> since I don't know when. S/N 57779
>
> Two things have jumped at me, and I hope someone can provide an input as
> to what exactly do I have here.
>
> First - there appears to be a switch at the back of the unit, allowing 120
> or 240 VAC operation
> Second - it has what looks like a factory installed proper North American
> 3-prong plug, with grounding pin and all
>
> Unit appears to be very clean and unmolested, right down to neatly coiled
> cables, and probably didn't see much use at all.
>
> Question - what type of PS do I have on my hands? Some later variation
> with an International voltage option? And given its current state, should I
> still replace the electrolytics just as a precaution, or leave everything
> in place, unless a problem manifests itself?
>
> I am attaching some photos for reference.
>
> Regards,
> Dmitri / VA3VRE
>
>

>

43652. Re: [DrakeRadio] Drake, R4 crystal eliminator kit FOR SALE

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 21:35:30 UTC
From: RAY FRIESS
Topic: 43639 Message: 43652

Did you not get the PayPal I sent this morning?

Sent from my Verizon LG Smartphone

------ Original message------
From: Kc9cdt@... [DrakeRadio]
Date: Mon, Mar 12, 2018 3:14 PM
To: drakeradio@yahoogroups.com;
Cc:
Subject:[DrakeRadio] Drake, R4 crystal eliminator kit FOR SALE

Hi guys,

OK, I still have this Drake R4 crystal eliminator kit.
I don't want to pitch it out....

PHOTO ATTACHED

So, it is FS for $25 shipped Cont US.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43653. Re: [DrakeRadio] eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 22:02:13 UTC
From: john
Topic: 43650 Message: 43653

Only in a Socialist Utopia--- which thankfully, we're not (totally)
subjected to yet.

Agree entirely Jeff.

73
John K5MO

On 3/12/2018 5:21 PM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
> Why do so many people think that services should be free?
>
> Prior to eBay, if I wanted to sell something, I had to either
> drive to a swap meet/ham fest (and pay fees) or pay for a
> classified ad in the paper or a magazine.
> eBay is a world wide venue, or you can limit it to stateside
> if you want or even local pick up only if you don't like to
> ship things.
> But you have a by far wider potential pool of buyers that you
> would just setting a card table up in your driveway.
> The reach you have via eBay is a service.
>
> Prior to PayPal, As a seller, I had to wait until a check cleared
> the bank or I could open a merchant account at the bank and
> buy a credit card terminal (and pay fees.)
> As a buyer, I had to contend with people that expected me to
> waste an hour of my time + the fee to get a postal money order
> at the Post Office.
> PayPal solved the problem. "Click....here's you money."
> That is, like eBay, a service.
> Of course, you can request the buyer to send you money as
> a gift. Which, by the way, is "theft of service" and PayPal takes
> a very dim view of it.
>
> The fees for both eBay and PayPal are called the "Cost of doing
> business.
>
> Do you honestly think they should be free?
>

--
III

43654. Re: [DrakeRadio] eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 22:33:52 UTC
From: Steve Wedge
Topic: 43650 Message: 43654

I agree. It’s a service and TANSTAAFL.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 12, 2018, at 18:02, john johnmb@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Only in a Socialist Utopia--- which thankfully, we're not (totally)
> subjected to yet.
>
> Agree entirely Jeff.
>
> 73
> John K5MO
>
> On 3/12/2018 5:21 PM, Jeffrey Angus jdangus@att.net [DrakeRadio] wrote:
> > Why do so many people think that services should be free?
> >
> > Prior to eBay, if I wanted to sell something, I had to either
> > drive to a swap meet/ham fest (and pay fees) or pay for a
> > classified ad in the paper or a magazine.
> > eBay is a world wide venue, or you can limit it to stateside
> > if you want or even local pick up only if you don't like to
> > ship things.
> > But you have a by far wider potential pool of buyers that you
> > would just setting a card table up in your driveway.
> > The reach you have via eBay is a service.
> >
> > Prior to PayPal, As a seller, I had to wait until a check cleared
> > the bank or I could open a merchant account at the bank and
> > buy a credit card terminal (and pay fees.)
> > As a buyer, I had to contend with people that expected me to
> > waste an hour of my time + the fee to get a postal money order
> > at the Post Office.
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> > That is, like eBay, a service.
> > Of course, you can request the buyer to send you money as
> > a gift. Which, by the way, is "theft of service" and PayPal takes
> > a very dim view of it.
> >
> > The fees for both eBay and PayPal are called the "Cost of doing
> > business.
> >
> > Do you honestly think they should be free?

> >
>
> --
> III
>

43655. Re: [DrakeRadio] Power supplies

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 22:34:48 UTC
From: Steve Wedge
Topic: 2689 Message: 43655

The L-4B supply is a completely different critter.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 12, 2018, at 16:52, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Ok. Dumb question here...I’ve never inspected mine super close but is the power supply for the L4-B an AC-3 or AC-4? I’m thinking 4. All this talk of power supplies got me curious
>
> Brian Smith
>

43656. Re: [DrakeRadio] tube choices

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 22:35:35 UTC
From: amfone
Topic: 43626 Message: 43656

6JB6 USA made tubes, RCA, GE, Zenith (Zenith tubes of the 6JB6 type were made by Sylvania) and other quallity USA brands all work well in the Drakes.
TimWB8UHZ

On Monday, March 12, 2018, 5:43:49 PM EDT, Doug Coffman dj_coffman@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I’ve have a pair in one of my T4XC transmitter for 3 years without issue. Everyone wants Sylvania therefore I was able to buy them at a cheap price.

Doug - N9XTF

Sent from my iPhone
On Mar 11, 2018, at 15:30, johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

anybody had any luck with Raytheon finals?

43657. Re: [DrakeRadio] Interconnect Cables Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 22:37:21 UTC
From: amfone
Topic: 43598 Message: 43657

Same here on the Cables I agree with Curt.
TimWB8UHZ

On Monday, March 12, 2018, 5:20:55 PM EDT, Curt Nixon captcurt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Garey had it right...it was all about the capacitance of the cable, and its affect on the calibration, more than the impedance. THat being said, I have used RG-59 and RG-58 with no issues on A and B line connects.

KU8L

On 3/9/2018 7:09 PM, Kc9cdt@... [DrakeRadio] wrote:

OK, I was wrong...I thought they were 62...they are 59 as you found...and yes, they have little metal clips so you know thats what they are...The RG-62 is used internal for filter wiring...(I have 4 ft of it I got for that a long time ago)...

But anyway you look at it the INJ/OSC cables are not regular RCA audio cables.

Lee Simmonds Summit DCS   260-403-6936 Cell

-----Original Message-----
From: Bruce bsugarberg@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Fri, Mar 9, 2018 5:56 pm
Subject: [DrakeRadio] Interconnect Cables Question

  Hello,

I am confused. 3 different sources state 3 different things about INJ/Osc cables:

“For C-line Interconnect cable kit consists of two RG59/U cables for injection and carrier oscillator..."
“For B-Line Interconnect cable kit consists of one RG59/U cable for injection..." (RG59 = 75 ohms).

"The Drake INJ cables (they have little metal clips on them to show that's what they are) are special and MUST be used for VFO and Crystal OSC connections...they are RG62." (RG62 = 93 ohms).

A 3rd source said that the cables should be RG58. (RG58 = 50 ohms).

How important is Impedance?

Would all 3 different impedance cables work?

What did Drake use?

73, Bruce WA8TNC

| | Virus-free. www.avast.com |

43658. Updated Drake parts for sale list,,,several items gon enow...

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 23:06:56 UTC
From: Kc9cdt@...
Topic: 43658 Message: 43658

Ok, Here is whats left...I can't believe no one wants these meters, where you going to find them...they do fail occasionally...

Drake Parts for Sale

All parts do not include shipping as I will combine shipping based on what you select:

2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $60. This is RARE to find....and allows you to upgrade from old wafer power on/off to snap switch.

7) Knob for L-4B WITH white line NOS.....$10.
8) Knob for L-4B No white line NOS....$10
9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
11) New bottem cover for AC-4 PS....$1
12) New Plate meter for TR-4 etc....P/N 358-0160....$30
13) New Plate meter for TR-4 etc....P/N 358-0160....$30
14) New S meter for R4 rcvr P/N 358-0130......$30
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr-4 as well??) P/N 366-0255....$30
21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr-4 as well??) P/N 366-0255....$30
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$10
26) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
27) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
28) USED plug in relay for TX (marked works fine needs cleaning......$10
40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
44) 4 plastic tapered feet for 4 line NOS.....$8
50) 1 NOS AC-4 cable plug (cinch).....$10
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
62) 1 D-104 HEAD ONLY in near perfect condition with bad element $10
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
67) 40 Screw on style standard BAR knobs NOS or excellent cond.....$2 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$10
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$10
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$10
71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$5
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$2
77) 1 New Jersey Semiconductor 2N2430....NOS...$2

78) 3 New Jersey Semiconductor 2N2926....NOS...$6
79) 2 New Jersey Semiconductor 2N3638....NOS...$4
80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
82 Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.

Lee Simmonds
Summit DCS

260-403-6936 Cell

43659. Re: eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 23:08:20 UTC
From: wa7zyq@...
Topic: 43650 Message: 43659

Jeff, WA6FWI, SAID:

“Of course, you can request the buyer to send you money as
a gift. Which, by the way, is "theft of service" and PayPal takes
a very dim view of it.”

I am not sure how that is theft of service, and as one who often does it when someone cuts me a really good deal, I can assure you that it is NOT theft of service and that PayPal does NOT take a dim view of it. They get paid the same fee, no matter which way you go. If you send it as payment for a sale or service, the seller pays. If you send it as a gift, YOU pay the fees. And they are exactly the same fees as the seller would have paid.

In the case of a gift, if the send $10.00 as a gift, you will be charged $10.00 plus the fee..

Hope this helps enlighten.

David, WA7ZYQ

C'est la vie, c'est la guerre, c'est la pomme de terre.

43660. RE: [DrakeRadio] Drake, R4 crystal eliminator kit FOR SALE

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 23:30:57 UTC
From: Joe
Topic: 43639 Message: 43660

Lee, does that go inside a radio, or does one need a box for it? Is the kit complete?

Or..

What else would I need?

Barring someone else outright saying, “I’LL Take it”, I will speak for it.

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Drake, R4 crystal eliminator kit FOR SALE

Hi guys,

OK, I still have this Drake R4 crystal eliminator kit.

I don't want to pitch it out....

PHOTO ATTACHED

So, it is FS for $25 shipped Cont US.

73,

Lee

Lee Simmonds

Summit DCS

260-403-6936 Cell

43661. Re: [DrakeRadio] tube choices

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 23:32:50 UTC
From: Steve Wedge
Topic: 43626 Message: 43661

If you find super cheap ones, match them at idle as closely as possible and neutralise them. If they can't neutralise, you'll have your answer with that brand.

Also, there appear to be two main frame configurations: you can easily see the differences from a top view. Different brands could have different construction but if in doubt, match the frame types first.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 12, 2018, at 18:35, amfone amfone20000@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> 6JB6 USA made tubes, RCA, GE, Zenith (Zenith tubes of the 6JB6 type were made by Sylvania) and other quallity USA brands all work well in the Drakes.
>
> Tim
> WB8UHZ
>
>
> On Monday, March 12, 2018, 5:43:49 PM EDT, Doug Coffman dj_coffman@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> I've have a pair in one of my T4XC transmitter for 3 years without issue. Everyone wants Sylvania therefore I was able to buy them at a cheap price.
>
>
> Doug - N9XTF
>
> Sent from my iPhone
>
>> On Mar 11, 2018, at 15:30, johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>> anybody had any luck with Raytheon finals?
>>
>
>

43662. Re: [DrakeRadio] Re: eBaytloiokp and PayPalotiypioi

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 23:30:31 UTC
From: rdrbill@...
Topic: 43650 Message: 43662

Oipiippoo
Sent via BlackBerry by AT&T

-----Original Message-----
From: "wa7zyq@gmail.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sender: DrakeRadio@yahoogroups.com
Date: Mon, 12 Mar 2018 16:08:20
To: <DrakeRadio@yahoogroups.com>
Reply-To: DrakeRadio@yahoogroups.com, wa7zyq@gmail.com
Subject: [DrakeRadio] Re: eBay and PayPal

Jeff, WA6FWI, SAID:

“Of course, you can request the buyer to send you money as
a gift. Which, by the way, is "theft of service" and PayPal takes
a very dim view of it.”

I am not sure how that is theft of service, and as one who often does it when someone cuts me a really good deal, I can assure you that it is NOT theft of service and that PayPal does NOT take a dim view of it. They get paid the same fee, no matter which way you go. If you send it as payment for a sale or service, the seller pays. If you send it as a gift, YOU pay the fees.. And they are exactly the same fees as the seller would have paid.

In the case of a gift, if the send $10.00 as a gift, you will be charged $10.00 plus the fee..

Hope this helps enlighten.

David, WA7ZYQ

C'est la vie, c'est la guerre, c'est la pomme de terre.

43663. Re: [DrakeRadio] Re: eBaytloiokp and PayPalotiypioi

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 23:48:41 UTC
From: john g
Topic: 43650 Message: 43663

makes sense
On ☐Monday☐, ☐March☐ ☐12☐, ☐2018☐ ☐07☐:☐35☐:☐59☐ ☐PM☐ ☐EDT, rdrbill@pacbell.net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Oipiippoo
Sent via BlackBerry by AT&TFrom: "wa7zyq@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>Sender: DrakeRadio@yahoogroups.comDate: Mon, 12 Mar 2018 16:08:20 -0700To: <DrakeRadio@yahoogroups.com>ReplyTo: DrakeRadio@yahoogroups.com, wa7zyq@...: [DrakeRadio] Re: eBay and PayPal

Jeff, WA6FWI, SAID:
“Of course, you can request the buyer to send you money as
a gift. Which, by the way, is "theft of service" and PayPal takes
a very dim view of it.”
I am not sure how that is theft of service, and as one who often does it when someone cuts me a really good deal, I can assure you that it is NOT theft of service and that PayPal does NOT take a dim view of it. They get paid the same fee, no matter which way you go. If you send it as payment for a sale or service, the seller pays. If you send it as a gift, YOU pay the fees. And they are exactly the same fees as the seller would have paid.
In the case of a gift, if the send $10.00 as a gift, you will be charged $10.00 plus the fee..
Hope this helps enlighten.
David, WA7ZYQ

C'est la vie, c'est la guerre, c'est la pomme de terre.

43664. Re: [DrakeRadio] Re: eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 23:51:42 UTC
From: Jeffrey Angus
Topic: 43650 Message: 43664

On 3/12/18 6:08 PM, wa7zyq wrote:
> In the case of a gift, if the send $10.00 as a gift, you will be
> charged $10.00 plus the fee..
>
> Hope this helps enlighten.
That's not correct.
Of the "friends/family/gift" payments I have made, I have never
been charged a fee for doing so.

Most recently:
Gross Amount   -$22.25 USD
PayPal Fee $0.00 USD
Net Amount   -$22.25 USD

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43665. RE: [DrakeRadio] Re: eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-12 23:57:12 UTC
From: Joe
Topic: 43650 Message: 43665

That is correct.

Going a step further (farther?) How would PayPal ever prove that something was *NOT* a gift? In the semantics of words, one could say the money was a gift, as was the item sent back, a gift as a way of saying of thank you for the gift of money, as infinitum! J

Hmmmmmm

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Re: eBay and PayPal

On 3/12/18 6:08 PM, wa7zyq wrote:

> In the case of a gift, if the send $10.00 as a gift, you will be

> charged $10.00 plus the fee..

>

> Hope this helps enlighten.

That's not correct.

Of the "friends/family/gift" payments I have made, I have never been charged a fee for doing so.

Most recently:

Gross Amount -$22.25 USD

PayPal Fee $0.00 USD

Net Amount -$22.25 USD

--

"I am a river to my people."

Jeff-1.0

WA6FWI

<http://www.foxsmercantile.com> www.foxsmercantile.com

<https://info.yahoo.com/legal/us/yahoo/utos/terms/>
https://info.yahoo.com/legal/us/yahoo/utos/terms/

43666. Re: TR4 crystal filters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 00:12:50 UTC
From: johng101501@...
Topic: 21465 Message: 43666

man that's tough 133 bucks?

43667. Re: [DrakeRadio] Re: eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 00:23:54 UTC
From: Steve Wedge
Topic: 43650 Message: 43667

Finnish?

;-)

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 12, 2018, at 19:51, Jeffrey Angus jdangus@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> On 3/12/18 6:08 PM, wa7zyq wrote:
> > In the case of a gift, if the send $10.00 as a gift, you will be
> > charged $10.00 plus the fee..
> >
> > Hope this helps enlighten.
> That's not correct.
> Of the "friends/family/gift" payments I have made, I have never
> been charged a fee for doing so.
>
> Most recently:
> Gross Amount -$22.25 USD
> PayPal Fee $0.00 USD
> Net Amount -$22.25 USD
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>

43668. Re: [DrakeRadio] Power supplies

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 00:29:28 UTC
From: Doug Coffman
Topic: 2689 Message: 43668

Brian,

As STEVE mentioned, it’s totally different and much higher voltage. It’s labeled L-4PS.

DOUG - N9XTF

Sent from my iPhone

> On Mar 12, 2018, at 18:34, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> The L-4B supply is a completely different critter.
>
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly sophisticated software.
>
>> On Mar 12, 2018, at 16:52, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>> Ok. Dumb question here...I’ve never inspected mine super close but is the power supply for the L4-B an AC-3 or AC-4? I’m thinking 4. All this talk of power supplies got me curious
>>
>> Brian Smith
>
>

43669. Re: [DrakeRadio] Re: eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 00:41:52 UTC
From: Kc9cdt@...
Topic: 43650 Message: 43669

Never been charged a fee for sending or receiving a gift on Paypal....

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: wa7zyq@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Mon, Mar 12, 2018 7:18 pm
Subject: [DrakeRadio] Re: eBay and PayPal

Jeff, WA6FWI, SAID:

“Of course, you can request the buyer to send you money as
a gift. Which, by the way, is "theft of service" and PayPal takes
a very dim view of it.”

I am not sure how that is theft of service, and as one who often does it when someone cuts me a really good deal, I can assure you that it is NOT theft of service and that PayPal does NOT take a dim view of it. They get paid the same fee, no matter which way you go. If you send it as payment for a sale or service, the seller pays. If you send it as a gift, YOU pay the fees. And they are exactly the same fees as the seller would have paid.

In the case of a gift, if the send $10.00 as a gift, you will be charged $10.00 plus the fee..

Hope this helps enlighten.

David, WA7ZYQ

C'est la vie, c'est la guerre, c'est la pomme de terre.

43670. Re: [DrakeRadio] Drake, R4 crystal eliminator kit FOR SALE

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 00:43:04 UTC
From: Kc9cdt@...
Topic: 43639 Message: 43670

Already sold and it a BIG project not a real kit as such,,,it is a mini kit.
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@...m>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Kc9cdt <Kc9cdt@...>
Sent: Mon, Mar 12, 2018 7:31 pm
Subject: RE: [DrakeRadio] Drake, R4 crystal eliminator kit FOR SALE

Lee, does that go inside a radio, or does one need a box for it? Is the kit complete?

Or..

What else would I need?

Barring someone else outright saying, “I’LL Take it”, I will speak for it.

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Drake, R4 crystal eliminator kit FOR SALE

Hi guys,

OK, I still have this Drake R4 crystal eliminator kit.

I don't want to pitch it out....

PHOTO ATTACHED

So, it is FS for $25 shipped Cont US.

73,

Lee

Lee Simmonds

Summit DCS

260-403-6936 Cell

43671. Re: [DrakeRadio] AC3 FS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 00:46:12 UTC
From: <w5sum@...>
Topic: 43638 Message: 43671

yes the power supply is your. Paypal the $70 to w5sum@... If I have this tonight or very early tomorrow morning I can ship tomorrow

thanks

Ronnie

From: mailto:DrakeRadio@yahoogroups.com
Sent: Monday, March 12, 2018 4:00 PM
To: DrakeRadio@yahoogroups.com ; Ronnie Hull
Subject: Re: [DrakeRadio] AC3 FS

I would be interested, Ronnie

On Sun, Mar 11, 2018 at 12:27 PM, Ronnie Hull w5sum@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I have a AC3 that is surplus to my needs here. I used it this morning to power up my T4XB and it works HOWEVER it needs the filters upgraded

Price is $50 plus $20 for double boxed insured shipping in 48 states.

Ronnie W5SUM

Sent from my iPhone

43672. Re: [DrakeRadio] Re: eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 00:49:53 UTC
From: Scott Koster
Topic: 43650 Message: 43672

PayPal gift has no charge when sent from your PP balance, or PP associated bank account. You can use a PP associated credit card to send money as a gift, but then there is a 3.4% (plus 20 cents) fee.
Regards,
Scott

On Monday, March 12, 2018 7:42 PM, "Kc9cdt@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

  Never been charged a fee for sending or receiving a gift on Paypal....

Lee SimmondsSummit DCS 260-403-6936 Cell

-----Original Message-----
From: wa7zyq@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Mon, Mar 12, 2018 7:18 pm
Subject: [DrakeRadio] Re: eBay and PayPal

  Jeff, WA6FWI, SAID:
“Of course, you can request the buyer to send you money as
a gift. Which, by the way, is "theft of service" and PayPal takes
a very dim view of it.”
I am not sure how that is theft of service, and as one who often does it when someone cuts me a really good deal, I can assure you that it is NOT theft of service and that PayPal does NOT take a dim view of it. They get paid the same fee, no matter which way you go. If you send it as payment for a sale or service, the seller pays. If you send it as a gift, YOU pay the fees. And they are exactly the same fees as the seller would have paid.
In the case of a gift, if the send $10.00 as a gift, you will be charged $10.00 plus the fee..
Hope this helps enlighten.
David, WA7ZYQ

C'est la vie, c'est la guerre, c'est la pomme de terre.

43673. Re: [DrakeRadio] Re: eBaytloiokp and PayPalotiypioi

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 00:50:55 UTC
From: Bill Houghton
Topic: 43650 Message: 43673

Ooops. it appears my phone pocket emailed! Sorry, about that.
73,
Bill, WA6NEQ

From: "rdrbill@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: Drake Yahoo <DrakeRadio@yahoogroups.com>; wa7zyq@...
Cc: The Home Depot <HomeDepotCustomerCare@...>; ttt@...digy.net; gg@...
Sent: Monday, March 12, 2018 4:36 PM
Subject: Re: [DrakeRadio] Re: eBaytloiokp and PayPalotiypioi

OipiippooSent via BlackBerry by AT&TFrom: "wa7zyq@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>Sender: DrakeRadio@yahoogroups.comDate: Mon, 12 Mar 2018 16:08:20 -0700To: <DrakeRadio@yahoogroups.com>ReplyTo: DrakeRadio@yahoogroups.com, wa7zyq@...: [DrakeRadio] Re: eBay and PayPal

Jeff, WA6FWI, SAID:
“Of course, you can request the buyer to send you money as
a gift. Which, by the way, is "theft of service" and PayPal takes
a very dim view of it.”
I am not sure how that is theft of service, and as one who often does it when someone cuts me a really good deal, I can assure you that it is NOT theft of service and that PayPal does NOT take a dim view of it. They get paid the same fee, no matter which way you go. If you send it as payment for a sale or service, the seller pays. If you send it as a gift, YOU pay the fees. And they are exactly the same fees as the seller would have paid.
In the case of a gift, if the send $10.00 as a gift, you will be charged $10.00 plus the fee..
Hope this helps enlighten.
David, WA7ZYQ

C'est la vie, c'est la guerre, c'est la pomme de terre.

43674. Re: TR4 crystal filters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 00:55:28 UTC
From: ve3fwf@...
Topic: 21465 Message: 43674

Yes $133. Will try contacting Inrad one more time.

73, Bernie

43675. Drake T-4XC PTO will not calibrate

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 01:08:20 UTC
From: ve3fwf@...
Topic: 43675 Message: 43675

I have the C type PTO with one lever.

I am unable to calibrate as the PTO dial reads 17KHz too high.

I made a new “doughnut” out of high pressure automotive hose and that seems to work fine.

I can slip the dial about 25KHz via the adjustment procedure but can not get it calibrated properly.
The back disk adjusts fine using the lever

I there another adjustment that I am missing?

73, Bernie

43676. RF signal levels for a Drake T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 01:15:55 UTC
From: ve3fwf@...
Topic: 43676 Message: 43676

Is there interest in getting a table of RF levels for the Drake T-4XC. I have them in my log book. It took a long time to get these levels as I was troubleshooting a thermal failure.

Garey wanted to get these levels on the Service CD but never got around to doing so. I could also take some scope pictures at some critical test points.

73, Bernie

43677. Re: [DrakeRadio] tube choices

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 01:29:03 UTC
From: ve3fwf@...
Topic: 43626 Message: 43677

I ordered 3 NOS 6JB6 finals from vacuumtubes.net for $23 each. They have over a million tubes in stock.

Will let the group know how these work out.

73, Bernie, VE3FWF

43678. F.S. Drake NN-4 manuals

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 01:34:05 UTC
From: Joseph Trombino, Jr
Topic: 43678 Message: 43678

The original Drake MN-4 manual has been sold.

The copy of the MN-4 manual is still available for $10 shipped.

73, Joe W2KJ
C-Line

43679. Re: [DrakeRadio] Drake, R4 crystal eliminator kit FOR SALE

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 02:39:00 UTC
From: Joni Zornes
Topic: 43639 Message: 43679

For whoever bought this kit, I just built one for my SPR-4 and it works very well, however as mentioned it is not a beginners project. If you need to find the rest of the parts that it requires, I have my list of the vendors and part numbers of each of the additional parts that you will need. I will also give you some things you may need to look out for in building this kit such as shorts on the circuit board.

On Mon, Mar 12, 2018 at 7:43 PM, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Already sold and it a BIG project not a real kit as such,,,it is a mini
> kit.
> Lee
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 <(260)%20403-6936> Cell
>
>
> -----Original Message-----
> From: Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>; Kc9cdt <Kc9cdt@...>
> Sent: Mon, Mar 12, 2018 7:31 pm
> Subject: RE: [DrakeRadio] Drake, R4 crystal eliminator kit FOR SALE
>
>
> Lee, does that go inside a radio, or does one need a box for it? Is the
> kit complete?
>
> Or..
>
> What else would I need?
>
> Barring someone else outright saying, “I’LL Take it”, I will speak for it.
>
> Joe – W7RKN
>
> *From:* DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com
> <DrakeRadio@yahoogroups.com?>]
> *Subject:* [DrakeRadio] Drake, R4 crystal eliminator kit FOR SALE
>
> Hi guys,

> OK, I still have this Drake R4 crystal eliminator kit.
> I don't want to pitch it out....
>
> PHOTO ATTACHED
>
> So, it is FS for $25 shipped Cont US.
> 73,
> Lee
>
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 <(260)%20403-6936> Cell
>
>
>
>
>

43680. Re: [DrakeRadio] Drake T-4XC PTO will not calibrate

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 04:03:46 UTC
From: VE7PS
Topic: 43675 Message: 43680

Bernie:

With the "one lever" PTO, it is still quite a trick to get the dials lined up. It helps to have three hands!

If you use the lever to release the dials, both dials should still move together when you rotate them by hand. I like to line up the 100 khz dial (rear one) first, using a signal generator as target on .250 or .200 or .300 (mid range), then HOLD the rear dial in place and rotate the front one to where it should read. The 1/4" steel dial shaft should NOT move during this process! At that point you release the lever and let the gears mesh. Hopefully they then line up, but you may find you are off one or two gear teeth on either the rear, or the front dial, and you need to try again using much smaller movements. I'll admit it's a bit of an art! And we should have born with three arms and hands!

Best of luck.

73
Peter
VE7PS

On 3/12/2018 6:08 PM, ve3fwf@... [DrakeRadio] wrote:
>
>
> I have the C type PTO with one lever.
>
>
> I am unable to calibrate as the PTO dial reads 17KHz too high.
>
>
> I made a new “doughnut” out of high pressure automotive hose and that
> seems to work fine.
>
>
> I can slip the dial about 25KHz via the adjustment procedure but can
> not get it calibrated properly.
>
> The back disk adjusts fine using the lever
>
>
> I there another adjustment that I am missing?
>
>
> 73, Bernie
>

>

This email has been checked for viruses by AVG.
http://www.avg.com

43681. Re: [DrakeRadio] Drake T-4XC PTO will not calibrate

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 05:07:04 UTC
From: VE7PS
Topic: 43675 Message: 43681

Bernie:

I just woke up to the realization that this is a T-4XC transmitter you were trying to line up. So the signal gennie part doesn't easily apply. Use your R-4C as the reference receiver to whatever frequency the T-4XC is tx'ing on. Pick a good round # like .200 or .300 and go for it as described. Sorry for the confusion.

73
Peter
VE7PS

On 3/12/2018 9:03 PM, VE7PS ve7ps@... [DrakeRadio] wrote:
>
> Bernie:
>
> With the "one lever" PTO, it is still quite a trick to get the dials
> lined up. It helps to have three hands!
>
> If you use the lever to release the dials, both dials should still
> move together when you rotate them by hand. I like to line up the 100
> khz dial (rear one) first, using a signal generator as target on .250
> or .200 or .300 (mid range), then HOLD the rear dial in place and
> rotate the front one to where it should read. The 1/4" steel dial
> shaft should NOT move during this process! At that point you release
> the lever and let the gears mesh. Hopefully they then line up, but
> you may find you are off one or two gear teeth on either the rear, or
> the front dial, and you need to try again using much smaller
> movements. I'll admit it's a bit of an art! And we should have born
> with three arms and hands!
>
> Best of luck.
>
> 73
> Peter
> VE7PS
>
> On 3/12/2018 6:08 PM, ve3fwf@... [DrakeRadio] wrote:
>>
>>
>> I have the C type PTO with one lever.
>>
>>
>> I am unable to calibrate as the PTO dial reads 17KHz too high.
>>
>>

>> I made a new “doughnut” out of high pressure automotive hose and that
>> seems to work fine.
>>
>>
>> I can slip the dial about 25KHz via the adjustment procedure but can
>> not get it calibrated properly.
>>
>> The back disk adjusts fine using the lever
>>
>>
>> I there another adjustment that I am missing?
>>
>>
>> 73, Bernie
>>
>
>
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
> Virus-free. www.avg.com
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
>
>
> <#DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>

This email has been checked for viruses by AVG.
http://www.avg.com

43682. Re: Drake AC-4/MS-4

Yahoo group: DrakeRadio (2018)
Date: 2018-03-15 02:21:44 UTC
From: Barry
Topic: 43682 Message: 43682

OOPS! I did not read the entire ad first. The AC-4 is not included with that auction (but is available in another auction).

Sorry about that!

Thanks,
Barry - N4BUQ

> I think someone was looking for a good AC-4 recently:
>
> https://www.ebay.com/itm/162942107343
>
> Not mine. Don't know the seller. Etc., etc.
>
> Thanks,
> Barry - N4BUQ
>
>

43683. Drake AC-4/MS-4

Yahoo group: DrakeRadio (2018)
Date: 2018-03-15 02:19:57 UTC
From: Barry
Topic: 43682 Message: 43683

I think someone was looking for a good AC-4 recently:

https://www.ebay.com/itm/162942107343

Not mine. Don't know the seller. Etc., etc.

Thanks,
Barry - N4BUQ

43684. Re: AC-4 question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 14:29:27 UTC
From: va3mgn@...
Topic: 43621 Message: 43684

Dmitri,

You have a high serial number AC-4 with the 120/240VAC switch on the back and 3 wire grounded power plug. Check the serial number against the wb4hfn list for an approximate production date: http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P1.htm http://www.wb4hfn.com/DRAKE/DrakeSNDatabase-P1.htm As Steve suggested, recommend one of the two rebuild kits, or Hayseed Hamfest replacement caps. Good luck with this project. Matt, VA3MGN

43685. Ebay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-15 22:45:44 UTC
From: Bob DeHaney
Topic: 43685 Message: 43685

One thing some may not have noticed, when you pay by sending payment as a "Gift", there is NO PayPal buyer protection. If there is a problem you have no recourse via PayPal.

Vy 73 de Bob DJ0RD/WU5T

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

43686. Re: [DrakeRadio] Drake, R4 crystal eliminator kit FOR SALE

Yahoo group: DrakeRadio (2018)
Date: 2018-03-14 12:46:01 UTC
From: Joni Zornes
Topic: 43639 Message: 43686
Attachments: 1 described; binary payloads are missing from this source WARC

Here is a Word doc with my parts list for the Hagtronics Crystal Eliminator kit for my SPR-4. The R4 version will only have a couple componants different. Please verify the part with the vendor before you order it. I tried to make sure I didn't make any mistakes, but you know....
Any parts that I don't have a vendor for, I had on hand. Several items that the Kit comes with were substituted incorrectly and Steve Hageman warned not to use them, but to use the original parts he listed.
I will add additional info in time to include special notes Steve wrote up about common errors people made and special notes I made in building my version. The circuit board has some possible shorts, so check it very carefully before you install any parts.

On Sat, Mar 10, 2018 at 8:30 AM, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Hi guys,
> OK, I still have this Drake R4 crystal eliminator kit.
> I don't want to pitch it out....
>
> PHOTO ATTACHED
>
> So, it is FS for $25 shipped Cont US.
> 73,
> Lee
>
>
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 <(260)%20403-6936> Cell
>
>
>

43687. Re: [DrakeRadio] RF signal levels for a Drake T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-03-14 18:47:18 UTC
From: Walter Milton
Topic: 43676 Message: 43687

Bernie,

I would like a copy if it is not too much trouble. I have a set of the C twins and a copy of Gary’s CDs.

Thanks,
Walt, KA2NJF

Sent from my iPhone
Psalm 1
Walt

> On Mar 12, 2018, at 21:15, ve3fwf@rogers.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Is there interest in getting a table of RF levels for the Drake T-4XC. I have them in my log book. It took a long time to get these levels as I was troubleshooting a thermal failure.
>
>
>
> Garey wanted to get these levels on the Service CD but never got around to doing so. I could also take some scope pictures at some critical test points.
>
>
>
> 73, Bernie
>
>

43688. Drake Parts INCLUDING CRYSTALS for sale UPDATED LIST

Yahoo group: DrakeRadio (2018)
Date: 2018-03-15 16:59:34 UTC
From: Kc9cdt@...
Topic: 43688 Message: 43688

OK, here is what's left, still some hard to find spare parts...don't miss out...

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $60. This is RARE to find....and allows you to upgrade from old wafer power on/off to snap switch.

7) Knob for L-4B WITH white line NOS.....$10.
8) Knob for L-4B No white line NOS....$10
9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
11) New bottem cover for AC-4 PS....$1
12) New Plate meter for TR-4 etc....P/N 358-0160....$30
13) New Plate meter for TR-4 etc....P/N 358-0160....$30
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr-4 as well??) P/N 366-0255....$30
21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr-4 as well??) P/N 366-0255....$30
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$10
28) USED plug in relay for TX (marked works fine needs cleaning......$10
40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
50) 1 NOS AC-4 cable plug (cinch).....$10
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX........$30
These are NOS, not used
62) 1 D-104 HEAD ONLY in near perfect condition with bad element $10
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
67) 39 Set Screw standard BAR knobs NOS or excellent cond.......$2 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$10
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$10
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$10
71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$5
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$2
77) 1 New Jersey Semiconductor 2N2430....NOS...$2
78) 3 New Jersey Semiconductor 2N2926....NOS...$6
79) 2 New Jersey Semiconductor 2N3638....NOS...$4
80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX........$30
These are NOS, not used

82 Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)

Drake Crystals: $15 EACH.....or $100 for all
12.6
20.6
21.1
26.1
22.6

28.6
27.6
38.1
39.1
40.1
40.6

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43689. Re: TR4 crystal filters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-15 23:00:09 UTC
From: ve3fwf@...
Topic: 21465 Message: 43689

I contacted Inrad again and they said they would honour a warranty if the filter is defective.

Good customer service.

73, Bernie

43690. Re: [DrakeRadio] Drake T-4XC PTO will not calibrate

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 19:47:57 UTC
From: ve3fwf@...
Topic: 43675 Message: 43690

The single lever on my PTO appears to only disengage the back dial plate. Do I have a seized gear train?

The adjustment via the dial skirt is working – there is just not enough movement to zero the PTO.

73, Bernie

43691. L-4B - mixing finals

Yahoo group: DrakeRadio (2018)
Date: 2018-03-14 20:35:44 UTC
From: mikek4qu@...
Topic: 43691 Message: 43691

I have an L-4B with 3-500zg tubes. One tube is bad (does not light) and the only spare I have is a NOS Penta Labs 3-500z. Can the 2 types be mixed? Thanks in advance.

Mike

43692. Re: Drake T-4XC PTO will not calibrate

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 17:31:09 UTC
From: ve3fwf@...
Topic: 43675 Message: 43692

Peter

I am still missing something. When I lift the lever, the rear dial plate disengages but the front plate will not move. Maybe the 2 lever PTO Version can disengage both dial plates?

I can adjust the front plate using the friction from pushing the skirt ; however, I do not have enough range to get
the dial to read zero. This PTO dial was working fine before I took the PTO out for servicing :-(

Bernie

43694. Re: [DrakeRadio] Ebay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-15 23:26:34 UTC
From: john
Topic: 43685 Message: 43694

On 3/15/2018 6:45 PM, 'Bob DeHaney' bobdehaney@... [DrakeRadio] wrote:
> One thing some may not have noticed, when you pay by sending payment as a "Gift", there is NO PayPal buyer protection. If there is a problem you have no recourse via PayPal.
>

You're right Bob, in addition to lying to save a few cents. If a seller says "friends and family only" I usually just send whatever is needed to cover the service charge, preserve my protection and be honest.

PayPal has been very good in those few instances where I have been fleeced.

73
John K5MO

43695. Re: TR4 crystal filters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-15 23:33:58 UTC
From: john g
Topic: 21465 Message: 43695

well at least they will help out.

43696. Re: AC-4 question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 22:34:04 UTC
From: dshuev@...
Topic: 43621 Message: 43696

OK, thank you. Seeing that this PS is more of a rare kind, would you say that attempting a cap re-stuffing is a better way to go? Or replacing the caps with a kit would have no impact on the value of it? Not that I intend to sell it, just for future considerations :)

On a slightly different note, when hooked up to a TR-4 / RV-4 should I link all chassis with a grounding wire, to ensure all units have the same potential?

43697. Re: [DrakeRadio] L-4B - mixing finals

Yahoo group: DrakeRadio (2018)
Date: 2018-03-15 23:36:25 UTC
From: Michael Cooley
Topic: 43691 Message: 43697

Hi Mike,
I have an L-4B but have no experience with mixing tube manufacturers. According to the manual I have there are differences in idling current between Eimac and Amperex versions of the tube. You should get at least get online and download the data sheets for the two manufacturers' versions to see what, if any, differences there may be.
In all likelihood the amplifier will function under using two different tubes however I'd worry about distortion and harmonics resulting from the bias not being correct (and negatively affecting the linearity of the amplifier.
Others here with actual experience may well be able to tell you otherwise and you should probably ignore MY babbling and pay attention to them!
Best,
MikeW7KWQ

On Thursday, March 15, 2018, 4:17:36 PM PDT, mikek4qu@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I have an L-4B with 3-500zg tubes. One tube is bad (does not light) and the only spare I have is a NOS Penta Labs 3-500z. Can the 2 types be mixed? Thanks in advance.

Mike

43698. Re: Drake TR4 for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-03-14 00:55:35 UTC
From: john g
Topic: 43646 Message: 43698

sent to your g mail, 73, john

On ☐Tuesday☐, ☐March☐ ☐13☐, ☐2018☐ ☐02☐:☐11☐:☐20☐ ☐PM☐ ☐EDT, tater1337@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

have some pictures?

43700. [DrakeRadio] FINALLY!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-15 23:44:12 UTC
From: Joe
Topic: 43700 Message: 43700

We’re B-A-C-K!! Files and all.

WHEW!

Joe – W7RKN

43701. Re: [DrakeRadio] FINALLY!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-15 23:45:51 UTC
From: Rory
Topic: 43700 Message: 43701

Maybe time to move to Groups.io

On Thu, Mar 15, 2018 at 4:44 PM, Joe w7rkn.7@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> We’re B-A-C-K!! Files and all.
>
>
>
> WHEW!
>
>
>
> Joe – W7RKN
>
>
>

43702. (no subject)

Yahoo group: DrakeRadio (2018)
Date: 2018-03-15 05:05:55 UTC
From: Joe
Topic: 43702 Message: 43702

::Clip::

No messages for last few days and Files section not working at all. Hope files are not lost ...

::End of Clip::

Perhaps nothing has been posted?

Joe – W7RKN

From: DrakeRadio@...m [mailto:DrakeRadio@yahoogroups.com]

43703. Re: [DrakeRadio] FINALLY!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-15 23:54:26 UTC
From: ve3fwf@...
Topic: 43700 Message: 43703

Joe

Thank you for getting the Drake Group back online !!

Some of my posts from a few days ago made it and some did not.

73, Bernie

43704. Re: Drake TR4 for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 17:57:55 UTC
From: tater1337@...
Topic: 43646 Message: 43704

have some pictures?

43705. Lower output transceiving with rline separates?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 20:39:47 UTC
From: rhulett1@...
Topic: 43705 Message: 43705

I operate my R-4A/T-4X pair as separates, mostly on CW. Today decided to try transceive on CW. I had to increase transmit gain to achieve the same output power, using either Receive or Transmit VFO. Is this normal behavior? Or does this indicate excessive loss in the injection cable or some other issue?

73, Curt KB5JO

43706. Re: Drake, R4 crystal eliminator kit FOR SALE

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 00:02:00 UTC
From: jonizornes@...
Topic: 43639 Message: 43706
Attachments: 1 described; binary payloads are missing from this source WARC

[Body unavailable in the source archive]

43707. Re: [DrakeRadio] Re: eBaytloiokp and PayPalotiypioi

Yahoo group: DrakeRadio (2018)
Date: 2018-03-14 01:27:42 UTC
From: john g
Topic: 43650 Message: 43707

ha i figured that but couldn't resist Bill, 73, John

On ☐Monday☐, ☐March☐ ☐12☐, ☐2018☐ ☐08☐:☐51☐:☐06☐ ☐PM☐ ☐EDT, Bill Houghton rdrbill@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Ooops. it appears my phone pocket emailed! Sorry, about that.
73,
Bill, WA6NEQ

From: "rdrbill@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: Drake Yahoo <DrakeRadio@yahoogroups.com>; wa7zyq@...
Cc: The Home Depot <HomeDepotCustomerCare@...>; ttt@...; gg@alph158.prodigy.net
Sent: Monday, March 12, 2018 4:36 PM
Subject: Re: [DrakeRadio] Re: eBaytloiokp and PayPalotiypioi

OipiippooSent via BlackBerry by AT&TFrom: "wa7zyq@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>Sender: DrakeRadio@yahoogroups.comDate: Mon, 12 Mar 2018 16:08:20 -0700To: <DrakeRadio@yahoogroups.com>ReplyTo: DrakeRadio@yahoogroups.com, wa7zyq@...: [DrakeRadio] Re: eBay and PayPal

Jeff, WA6FWI, SAID:
“Of course, you can request the buyer to send you money as
a gift. Which, by the way, is "theft of service" and PayPal takes
a very dim view of it.”
I am not sure how that is theft of service, and as one who often does it when someone cuts me a really good deal, I can assure you that it is NOT theft of service and that PayPal does NOT take a dim view of it. They get paid the same fee, no matter which way you go. If you send it as payment for a sale or service, the seller pays. If you send it as a gift, YOU pay the fees. And they are exactly the same fees as the seller would have paid.
In the case of a gift, if the send $10.00 as a gift, you will be charged $10.00 plus the fee..
Hope this helps enlighten.
David, WA7ZYQ

C'est la vie, c'est la guerre, c'est la pomme de terre.

43708. RE: [DrakeRadio] FINALLY!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 00:10:45 UTC
From: Joe
Topic: 43700 Message: 43708

I'd love to take credit….

But…

All I did was put some pressure on, from within the Yahoo organization, through a contact I knew from my Commodore Amiga programming days, I didn't even think was still with them. He wasn't, but, he still had some juice with the old school Yahoo engineers and even knew some of the newer Verizon group people. He said he would try but promised nothing. Obviously, he still had some mojo! LOL!

I breathed a big sigh of relief when I saw all the files back.

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] FINALLY!!!

Joe

Thank you for getting the Drake Group back online !!

Some of my posts from a few days ago made it and some did not.

73, Bernie

43709. Hagtronics Crystal Eliminator (My parts list)

Yahoo group: DrakeRadio (2018)
Date: 2018-03-14 14:13:36 UTC
From: jonizornes@...
Topic: 43709 Message: 43709

I built one for my SPR-4 about a month ago and it works very well. Here is the parts list I used. Many of the original parts are no longer available or have changed part numbers from the original QST list. If you use my list as a reference, be sure to verify the part numbers with the vendor before you order it.
For the R4 version there are only a couple part changes. Check with the QST article.
Any vendor I haven't listed, I had those parts on hand.
I'll be adding more info about building the kit in time.

1. U1 PLL HAGTRONICS KIT
2. U2 8 PIN SOCKET
3. U4 14 PIN SOCKET JAMECO 112214
4. U101 28 PIN SOCKET JAMECO 112299
5. U3 VCO HAGTRONICS KIT
6. K1 SPST 12VDC RELAY JAMECO 184461
7. J2 POWER TERM
8. D100 BRIDGE DIODE NEWARK 06F8773
9. D101 1N4001
D102 1N4001
10. C100 4700 uF JAMECO 93850
11. C11 .01 uF NEWARK 94W2815
C27 .01 uF
C28 .01 uF
C104 .01 uF
C105 .01 uF
12. C101 10 uF 35V JAMECO 94221
13. C102 470 uF 16V JAMECO 93809
C107 470 uF 16V
14. C6 10 uF 25V JAMECO 94087
C10 10 uF 25V
C14 10 uF 25V
C19 10 uF 25V
C30 10 uF 25V
C103 10 uF 25V
15. C4 .1 uF NEWARK 95C0843
C5 .1 uF
C12 .1 uF
C13 .1 uF
C17 .1 uF
C18 .1 uF
C29 .1 uF
C31 .1 uF
C32 .1 uF
C34 .1 uF
C36 .1 uF
C109 .1 uF

C111 .1 uF
C112 .1 uF
16. C1 22 pF NEWARK 46P6472
C2 22 pF
C3 22 pF
17. C7 470 pF NEWARK 46P6575
C15 470 pF
C16 470 pF
18. Y1 10 Mhz xtal HAGTRONICS KIT
19. R6 1M ¼ W
20. R1 100 ¼ W
R13 100 ¼ W
R14 100 ¼ W
R105 100 ¼ W
21. R2 1K ¼ W
R3 1K ¼ W
R4 1K ¼ W
R103 1K ¼ W
R104 1K ¼ W
22. R7 4.99K ¼ W
. R8 4.99K ¼ W
R11 4.99K ¼ W
R12 4.99K ¼ W
R15 4.99K ¼ W
R16 4.99K ¼ W
23. R9 1.5K ¼ W
24. R10 19.1K ¼ W NEWARK 58K5026 (20k)
25. C8 3.3 uF NEWARK 06R6588
26. C9 0.47 uF NEWARK 96Y7461
27. D1 1N4150
28. R17 51.1 ¼ W
R18 51.1 ¼ W
29. Q1 2N7000 HAGTRONICS KIT
30. C20 82 pF
31. C21 120 pF NEWARK 18K5580
C22 120 pF
C23 120 pF
32. C24 220 pF NEWARK 46P6478
C25 220 pF
33. C26 1500 pF NEWARK 46P6426
34. L4 120 nH MOUSER 807-1025R-96K
35. L5 180 nH MOUSER 652-78FR18K-TR-RC
36. R100 47.0 5W NEWARK 41K8937
37 U2 OP27GPZ NEWARK 59K8828
(DON’T USE THE HAGTRONICS KIT PART)
38 U4 74AC74PC
(DON’T USE THE HAGTRONICS KIT PART)
39. U5 7812 12V NEWARK 88H4762
40. U6 7805 5V HAGTRONICS KIT
U100 7805 5V HAGTRONICS KIT

41. L1 10 uH JAMECO 372171
L2 10 uH
L3 10 uH
L6 10 uH
L7 10 uH
42. VFD EBAY caryn6sqf Noritake Itron CU16025ECPB-W6J VFD

ADDITIONAL PARTS

1. CASTING SHIELD JAMECO 11957
(You may have to use longer screws than ones supplied)
2. ENCLOSURE EBAY: fan_computer Black Aluminum Project Box
Enclosure Case Electronic DIY 203x144x68mm_Big
3. 14VAC TRANSFORMER HOME DEPOT DOORBELL XFMR
(Its’output is 17vac, so I used a 8 ohm, 20w resister to knock it down. Jameco has this 14vac one, 318684, but I haven’t ordered it, yet)
4. ON / OFF SWITCH MOUSER 1055-TA1120B-EVX
5. ROTARY ENCODER 16 DETENT MOUSER 706-25LB22-Q-Z
6. TERM STRIP FOR 17VAC INPUT MOUSER 538-38720-3202
7. RUBBER FEET MOUSER 546-1421T3
8. FLUX REMOVER JAMECO 2273943

9. SOLDER

43710. Re: [DrakeRadio] Lower output transceiving with rline separates?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 00:17:58 UTC
From: Richard Knoppow
Topic: 43705 Message: 43710

Its not loss in the injection cable but may be a shift in
tuning caused by excessive capacitance. Usually the output can be
peaked by a small adjustment to the RF tuning. The handbook for
the T4XB states that the receiver gain will be lower with the
transmitter controlling frequency than in Receiver or Separate.
nothing said about transmitting gain but it also varies. Unless
it is a very large difference its probably normal.
I use Receiver control for WARC bands and extension of the
10 meter band and have to make some adjustments.

On 3/13/2018 1:39 PM, rhulett1@... [DrakeRadio] wrote:
>
>
> I operate my R-4A/T-4X pair as separates, mostly on CW.? Today
> decided to try transceive on CW.? I had to increase transmit gain
> to achieve the same output power, using either Receive or
> Transmit VFO.? Is this normal behavior?? Or does this indicate
> excessive loss in the injection cable or some other issue?
>
> 73, Curt KB5JO
>
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43711. Re: [DrakeRadio] Re: eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 13:31:24 UTC
From: Curt Nixon
Topic: 43650 Message: 43711

This just is not true. I send hundreds of dollars to family members via Paypal gifts and have NEVER had a fee charged.

Unless there are different versions of paypal service.

THat being said, the fee paid for "normal goods and services transactions provides a pretty high degree of security and conflict resolution from Paypal. In nearly ten years of using it, I have never had a bad experience that was not corrected to my satisfaction--both as a seller, and as a buyer.

On 03/12/18 7:08 PM, wa7zyq@... [DrakeRadio] wrote:
> Jeff, WA6FWI, SAID:
>
> “Of course, you can request the buyer to send you money as
> a gift. Which, by the way, is "theft of service" and PayPal takes
> a very dim view of it.”
>
> I am not sure how that is theft of service, and as one who often does
> it when someone cuts me a really good deal, I can assure you that it
> is NOT theft of service and that PayPal does NOT take a dim view of
> it. They get paid the same fee, no matter which way you go. If you
> send it as payment for a sale or service, the seller pays. If you send
> it as a gift, YOU pay the fees. And they are exactly the same fees as
> the seller would have paid.
>
> In the case of a gift, if the send $10.00 as a gift, you will be
> charged $10.00 plus the fee..
>
> Hope this helps enlighten.
>
> David, WA7ZYQ
>
>
> /*C'est la vie, c'est la guerre, c'est la pomme de terre.*/
>

43712. Re: [DrakeRadio] Lower output transceiving with rline separates?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 00:24:14 UTC
From: Steve Wedge
Topic: 43705 Message: 43712

I’ve found that you may need to slightly adjust the injection trimmers.

These characteristics are also one of the reasons why the trimmers need to be defined per the alignment procedure. It broadens the response.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 15, 2018, at 20:17, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Its not loss in the injection cable but may be a shift in
> tuning caused by excessive capacitance. Usually the output can be
> peaked by a small adjustment to the RF tuning. The handbook for
> the T4XB states that the receiver gain will be lower with the
> transmitter controlling frequency than in Receiver or Separate.
> nothing said about transmitting gain but it also varies. Unless
> it is a very large difference its probably normal.
> I use Receiver control for WARC bands and extension of the
> 10 meter band and have to make some adjustments.
>
>> On 3/13/2018 1:39 PM, rhulett1@... [DrakeRadio] wrote:
>>
>>
>> I operate my R-4A/T-4X pair as separates, mostly on CW. Today
>> decided to try transceive on CW. I had to increase transmit gain
>> to achieve the same output power, using either Receive or
>> Transmit VFO. Is this normal behavior? Or does this indicate
>> excessive loss in the injection cable or some other issue?
>>
>> 73, Curt KB5JO
>>
>>
>>
>>
>>
>>
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>
>
> ------------------------------------
>

> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>

43713. Re: [DrakeRadio] RF signal levels for a Drake T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 13:38:05 UTC
From: Curt Nixon
Topic: 43676 Message: 43713

Yes those are EXTREMELY helpful if one is troubleshooting. I began such a table for the TR3 at one time. Since the scope is my most used diagnostic tool, it made sense.

KU8L

On 03/12/18 9:15 PM, ve3fwf@... [DrakeRadio] wrote:
>
>
> Is there interest in getting a table of RF levels for the Drake T-4XC.
> I have them in my log book. It took a long time to get these levels
> as I was troubleshooting a thermal failure.
>
>
> Garey wanted to get these levels on the Service CD but never got
> around to doing so. I could also take some scope pictures at some
> critical test points.
>
>
> 73, Bernie
>
>

43714. Re: [DrakeRadio] Re: eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 00:25:07 UTC
From: Bill Houghton
Topic: 43650 Message: 43714

The answer to this question can be found with this link:
Credit Card Fees, Send Money Fees & Other Charges - PayPal US

|
|
|
| | |

|

|
|
| |
Credit Card Fees, Send Money Fees & Other Charges - PayPal US
Sending money is free in the U.S when you use your PayPal account or bank. Learn about PayPal's fees when us... | |

|

|

Basically, sending money to friends and family can have a fee depending on how the transfer is funded.
73,
Bill, WA6NEQ

From: "Curt Nixon captcurt@flash.net [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com; wa7zyq@...
Sent: Thursday, March 15, 2018 5:18 PM
Subject: Re: [DrakeRadio] Re: eBay and PayPal

  This just is not true. I send hundreds of dollars to family members via Paypal gifts and have NEVER had a fee charged.

Unless there are different versions of paypal service.

THat being said, the fee paid for "normal goods and services transactions provides a pretty high degree of security and conflict resolution from Paypal. In nearly ten years of using it, I have never had a bad experience that was not corrected to my satisfaction--both as a seller, and as a buyer.

On 03/12/18 7:08 PM, wa7zyq@... [DrakeRadio] wrote:

  Jeff, WA6FWI, SAID:
“Of course, you can request the buyer to send you money as
a gift. Which, by the way, is "theft of service" and PayPal takes
a very dim view of it.”
I am not sure how that is theft of service, and as one who often does it when someone cuts

me a really good deal, I can assure you that it is NOT theft of service and that PayPal does NOT take a dim view of it. They get paid the same fee, no matter which way you go. If you send it as payment for a sale or service, the seller pays. If you send it as a gift, YOU pay the fees. And they are exactly the same fees as the seller would have paid.
In the case of a gift, if the send $10.00 as a gift, you will be charged $10.00 plus the fee..
Hope this helps enlighten.
David, WA7ZYQ

C'est la vie, c'est la guerre, c'est la pomme de terre.

43716. Drake parts

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 00:34:45 UTC
From: Bill Houghton
Topic: 43716 Message: 43716

I recently purchased some Drake parts from John Dutton who was parting out a TR-4C and from Lee Simmonds who has several parts for sale. I am happy to report that the parts arrived in good condition from both sellers. My thanks to both John and Lee.

43717. Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-14 18:28:03 UTC
From: wendy101@...
Topic: 43717 Message: 43717

Well Yahoo Groups is certainly not getting any better. Emails get sent but we don't receive them for hours or even days. I am sending this on Tuesday 14 March, 2018 at about 11:30 MST. I think it's time for us to get out while we can still transfer all of the data we have in Yahoo into another group like, Groups.io. I am a member of another group that was with Yahoo and just recently switched to Groups.io and everything was transfered and it works great. I have talked with the owner of this group and he has moved about 22 groups from Yahoo to Groups.io. He said it is not difficult and he is willing to help us if we need it. Your thoughts?

Al, n7ioh
Payson, Arizona

43718. Re: [DrakeRadio] Drake T-4XC PTO will not calibrate

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 13:43:21 UTC
From: Ham Radio
Topic: 43675 Message: 43718

Thank you, Peter for the information.

The C version of the Drake PTO is truly a mechanical marvel.

73, Bernie, VE3FWF

Sent from my iPad

> On Mar 13, 2018, at 12:03 AM, VE7PS <ve7ps@...> wrote:
>
> Bernie:
>
> With the "one lever" PTO, it is still quite a trick to get the dials lined up. It helps to have three hands!
>
> If you use the lever to release the dials, both dials should still move together when you rotate them by hand. I like to line up the 100 khz dial (rear one) first, using a signal generator as target on .250 or .200 or .300 (mid range), then HOLD the rear dial in place and rotate the front one to where it should read. The 1/4" steel dial shaft should NOT move during this process! At that point you release the lever and let the gears mesh. Hopefully they then line up, but you Mays's find you are off one or two gear teeth on either the rear, or the front dial, and you need to try again using much smaller movements. I'll admit it's a bit of an art! And we should have born with three arms and hands!
>
> Best of luck.
>
> 73
> Peter
> VE7PS
>
>> On 3/12/2018 6:08 PM, ve3fwf@... [DrakeRadio] wrote:
>>
>> I have the C type PTO with one lever.
>>
>>
>> I am unable to calibrate as the PTO dial reads 17KHz too high.
>>
>>
>> I made a new "doughnut" out of high pressure automotive hose and that seems to work fine.
>>
>>
>> I can slip the dial about 25KHz via the adjustment procedure but can not get it calibrated properly.
>>
>> The back disk adjusts fine using the lever

>>
>>
>> I there another adjustment that I am missing?
>>
>>
>> 73, Bernie
>>
>>
>
>
> Virus-free. www.avg.com

43719. Re: DC-4 Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-03-06 21:41:58 UTC
From: jq7cfgq4fjlzgnvomgklk3vxj2uln4abi4nhdzan@...
Topic: 43553 Message: 43719

The DC-4 has an AC outlet on it for use by a receiver. However, it is a 2-blade outlet and the AC is at 330 Hz. It makes such an obnoxious buzz in the receiver it makes the receiver nearly unusable. I have heard that filtering is possible, but not worth the effort. When on battery power, I use a separate inverter for the receiver.
73 Lee K7LCS

43720. Re: Drake, R4 crystal eliminator kit FOR SALE

Yahoo group: DrakeRadio (2018)
Date: 2018-03-14 01:39:01 UTC
From: jws1591@...
Topic: 43639 Message: 43720

Joni,

Please post your parts vendor list and other comments about this project to the files section of this group so it will be available for future builders.

Thanks
Jon

---In DrakeRadio@yahoogroups.com, <jonizornes@...> wrote :

For whoever bought this kit, I just built one for my SPR-4 and it works very well, however as mentioned it is not a beginners project. If you need to find the rest of the parts that it requires, I have my list of the vendors and part numbers of each of the additional parts that you will need. I will also give you some things you may need to look out for in building this kit such as shorts on the circuit board.

43721. Drake Parts still For Sale...

Yahoo group: DrakeRadio (2018)
Date: 2018-03-14 18:38:30 UTC
From: Kc9cdt@...
Topic: 43721 Message: 43721

OK, here is updated list of what's left...
Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $60. This is RARE to find....and allows you to upgrade from old wafer power on/off to snap switch.

7) Knob for L-4B WITH white line NOS.....$10.
8) Knob for L-4B No white line NOS....$10
9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
11) New bottem cover for AC-4 PS....$1
12) New Plate meter for TR-4 etc....P/N 358-0160....$30
13) New Plate meter for TR-4 etc....P/N 358-0160....$30
14) New S meter for R4 rcvr P/N 358-0130......$30
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr-4 as well??) P/N 366-0255....$30
21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr-4 as well??) P/N 366-0255....$30
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$10
26) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
27) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
28) USED plug in relay for TX (marked works fine needs cleaning......$10
40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
44) 4 plastic tapered feet for 4 line NOS.....$8
50) 1 NOS AC-4 cable plug (cinch).....$10
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
62) 1 D-104 HEAD ONLY in near perfect condition with bad element $10
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
67) 40 Set Screw style standard BAR knobs NOS or excellent cond.......$3 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$10
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$10
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$10
71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$5
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$2
77) 1 New Jersey Semiconductor 2N2430....NOS...$2
78) 3 New Jersey Semiconductor 2N2926....NOS...$6
79) 2 New Jersey Semiconductor 2N3638....NOS...$4

80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
82 Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43722. Re: [DrakeRadio] Re: eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 00:56:31 UTC
From: Jeffrey Angus
Topic: 43650 Message: 43722

On 3/15/18 7:25 PM, Bill Houghton rdrbill@... [DrakeRadio] wrote:
> The answer to this question can be found with this link:
This pretty well sums it up.

"That's a small price to pay for accepting major forms of payment from
any of the203million active customers worldwide. There are no hidden
PayPal fees. You don't have to pay anything until you get paid for selling
something. Our rates are some of the most competitive in the industry
– keeping you in business and your customers happy."

The same can be said of eBay.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43723. Paint for MS-4 Grill?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-13 14:44:59 UTC
From: Barry
Topic: 43723 Message: 43723

Anyone have a recommendation on a good paint (rattle-can) for the grill on an MS-4? I'll be using Rusteleum Satin Black for the cabinet but the grill needs a touch-up and I've not painted one of those before. Is that also a satin finish? I think so but not sure if a gloss might be appropriate.

Thanks,
Barry - N4BUQ

43724. Re: [DrakeRadio] Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 01:48:28 UTC
From: Brian Smith
Topic: 43717 Message: 43724

I am fine with moving

Brian Smith

> On Mar 14, 2018, at 1:28 PM, wendy101@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Well Yahoo Groups is certainly not getting any better. Emails get sent but we don't receive them for hours or even days. I am sending this on Tuesday 14 March, 2018 at about 11:30 MST. I think it's time for us to get out while we can still transfer all of the data we have in Yahoo into another group like, Groups.io. I am a member of another group that was with Yahoo and just recently switched to Groups.io and everything was transfered and it works great. I have talked with the owner of this group and he has moved about 22 groups from Yahoo to Groups.io. He said it is not difficult and he is willing to help us if we need it. Your thoughts?
>
> Al, n7ioh
> Payson, Arizona
>
>
>
>
>

43725. Re: [DrakeRadio] Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 01:56:42 UTC
From: Rory
Topic: 43717 Message: 43725

Callum M0MCX did a couple of how to YouTubes on moving to groups.io
https://youtu.be/EX7eghHgE30

N6OIL, Rory

On Thu, Mar 15, 2018 at 6:48 PM, Brian Smith k9bps@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> I am fine with moving
>
> Brian Smith
>
> On Mar 14, 2018, at 1:28 PM, wendy101@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com> wrote:
>
>
>
>
> Well Yahoo Groups is certainly not getting any better. Emails get sent
> but we don't receive them for hours or even days. I am sending this on
> Tuesday 14 March, 2018 at about 11:30 MST. I think it's time for us to get
> out while we can still transfer all of the data we have in Yahoo into
> another group like, Groups.io. I am a member of another group that was
> with Yahoo and just recently switched to Groups.io and everything was
> transfered and it works great. I have talked with the owner of this group
> and he has moved about 22 groups from Yahoo to Groups.io. He said it is
> not difficult and he is willing to help us if we need it. Your thoughts?
>
> Al, n7ioh
> Payson, Arizona
>
>
>
>

43726. Re: [DrakeRadio] L-4B - mixing finals

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 01:57:07 UTC
From: Evan
Topic: 43691 Message: 43726

Mike,

I did an experiment about 25 years ago with an L4B. I had a tube failure and had know knowledge of how much use/abuse the tubes received from previous owners of the amp. Had a virtually new spare tube on hand and I installed it. Operation of the amp seemed to be normal. I checked with numerous stations, who tuned off the sides of my signal in both directions, and they said it sounded like me, could discern no distortion, including a couple of local stations that indicated I was almost pinning their s-meters. Obviously I can't be emphatic about "how different" tubes can be without adverse effects. For several amps that I serviced, the tubes had different shades of "glow" for the plates indicting perhaps different levels of gas; no adverse performance was observed.

There is an old wives' tale about having tubes perfectly matched, which I believe originated in the days of push pull amplifiers or running the tubes in parallel at maximum ratings, but I have never been able to confirm that tale by personal experience. I'm sure there are experts out there that can give a more credible answer to your question than I can provide.

73,

Evan, K9SQG

gmail.com

-----Original Message-----
From: mikek4qu@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Thu, Mar 15, 2018 7:17 pm
Subject: [DrakeRadio] L-4B - mixing finals

I have an L-4B with 3-500zg tubes. One tube is bad (does not light) and the only spare I have is a NOS Penta Labs 3-500z. Can the 2 types be mixed? Thanks in advance.

Mike

43727. Re: [DrakeRadio] FINALLY!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 02:06:05 UTC
From: Jim Shorney
Topic: 43700 Message: 43727

Excellent!

TIme to do a backup?

73

-Jim
NU0C

On Thu, 15 Mar 2018 16:44:12 -0700, Joe w7rkn.7@... [DrakeRadio] wrote:

>We're B-A-C-K!! Files and all.
>
>
>
>WHEW!
>
>
>
>Joe W7RKN
>
>

--
?There?s something out of place ? let?s go and poke it with a stick.? ? The Doctor, "Amy?s Choice"

43728. Re: [DrakeRadio] L-4B - mixing finals

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 02:17:49 UTC
From: Paul Kraemer
Topic: 43691 Message: 43728

Only thing I'd add is that if they were significantly different one would work harder than the other but the job would get done
Same for the finals in the TR4 and T4X. But the hype sells more tubes than reality
Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com
Sent: Thursday, March 15, 2018 8:57 PM
To: DrakeRadio@yahoogroups.com ; mikek4qu@...
Subject: Re: [DrakeRadio] L-4B - mixing finals

Mike,

I did an experiment about 25 years ago with an L4B. I had a tube failure and had know knowledge of how much use/abuse the tubes received from previous owners of the amp. Had a virtually new spare tube on hand and I installed it. Operation of the amp seemed to be normal. I checked with numerous stations, who tuned off the sides of my signal in both directions, and they said it sounded like me, could discern no distortion, including a couple of local stations that indicated I was almost pinning their s-meters. Obviously I can't be emphatic about "how different" tubes can be without adverse effects. For several amps that I serviced, the tubes had different shades of "glow" for the plates indicting perhaps different levels of gas; no adverse performance was observed.

There is an old wives' tale about having tubes perfectly matched, which I believe originated in the days of push pull amplifiers or running the tubes in parallel at maximum ratings, but I have never been able to confirm that tale by personal experience. I'm sure there are experts out there that can give a more credible answer to your question than I can provide.

73,

Evan, K9SQG

gmail.com

-----Original Message-----
From: mikek4qu@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Thu, Mar 15, 2018 7:17 pm
Subject: [DrakeRadio] L-4B - mixing finals

I have an L-4B with 3-500zg tubes. One tube is bad (does not light) and the only spare I have is a NOS Penta Labs 3-500z. Can the 2 types be mixed? Thanks in advance.

Mike

43729. New file uploaded to DrakeRadio

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 02:44:00 UTC
From: DrakeRadio@yahoogroups.com
Topic: 3736 Message: 43729

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the DrakeRadio
group.

File : /Hagtronics crystal eliminator parts list.doc
Uploaded by : jonizornes@... <jonizornes@...>
Description : My recent parts list for building the Hagtronics crystal eliminator. Parts with no vendor listed are parts I had on hand.

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/DrakeRadio/files/Hagtronics%20crystal%20eliminator%20parts%20list.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

jonizornes@... <jonizornes@...>

43730. Re: [DrakeRadio] Re: eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 03:18:43 UTC
From: Evan
Topic: 43650 Message: 43730

As a side note, I think PayPal gets a bad rap for charging a fee for even the shipping charges. This is what results when, for example, a person sells an item for $1 and then charges $99 for shipping costs. The ploy to avoid fees sort of backfired and PayPal was merely trying to counter the ones trying to take advantage of them.

73,

Evan, K9SQG

-----Original Message-----
From: Bill Houghton rdrbill@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Curt Nixon <captcurt@...>
Sent: Thu, Mar 15, 2018 8:25 pm
Subject: Re: [DrakeRadio] Re: eBay and PayPal

The answer to this question can be found with this link:

Credit Card Fees, Send Money Fees & Other Charges - PayPal US

Credit Card Fees, Send Money Fees & Other Charges - PayPal US

Sending money is free in the U.S when you use your PayPal account or bank. Learn about PayPal's fees when us...

Basically, sending money to friends and family can have a fee depending on how the transfer is funded.

73,

Bill, WA6NEQ

From: "Curt Nixon captcurt@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com; wa7zyq@...
Sent: Thursday, March 15, 2018 5:18 PM
Subject: Re: [DrakeRadio] Re: eBay and PayPal

This just is not true. I send hundreds of dollars to family members via Paypal gifts and have NEVER had a fee charged.

Unless there are different versions of paypal service.

THat being said, the fee paid for "normal goods and services transactions provides a pretty high degree of security and conflict resolution from Paypal. In nearly ten years of using it, I have never had a bad experience that was not corrected to my satisfaction--both as a seller, and as a buyer.

On 03/12/18 7:08 PM, wa7zyq@... [DrakeRadio] wrote:

Jeff, WA6FWI, SAID:

“Of course, you can request the buyer to send you money as
a gift. Which, by the way, is "theft of service" and PayPal takes
a very dim view of it.”

I am not sure how that is theft of service, and as one who often does it when someone cuts me a really good deal, I can assure you that it is NOT theft of service and that PayPal does NOT take a dim view of it. They get paid the same fee, no matter which way you go. If you send it as payment for a sale or service, the seller pays. If you send it as a gift, YOU pay the fees. And they are exactly the same fees as the seller would have paid.

In the case of a gift, if the send $10.00 as a gift, you will be charged $10.00 plus the fee..

Hope this helps enlighten.

David, WA7ZYQ

C'est la vie, c'est la guerre, c'est la pomme de terre.

43731. Re: [DrakeRadio] Re: eBay and PayPal

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 03:39:23 UTC
From: Jeffrey Angus
Topic: 43650 Message: 43731

On 3/15/18 10:18 PM, Evan k9sqg@... [DrakeRadio] wrote:
>
> As a side note, I think PayPal gets a bad rap for charging
> a fee for even the shipping charges. This is what results
> when, for example, a person sells an item for $1 and
> then charges $99 for shipping costs. The ploy to avoid
> fees sort of backfired and PayPal was merely trying to
> counter the ones trying to take advantage of them.
>
>
> 73,
>
> Evan, K9SQG

That's not PayPal, that was eBay that changed their policy
due to a flood of foreign sales charging $0.01 for items
then charging $50-100 shipping.
At the time eBay only charged a fee based on the selling
price.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43732. Re: [DrakeRadio] L-4B - mixing finals

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 05:08:38 UTC
From: Jim Shorney
Topic: 43691 Message: 43732

The only way to say for sure is to run some IMD tests with real lab equipment.
It probably doesn't matter so much these days with bands filled with computer
and SMPS noise, alongside modern overcompressed overedriven radios. I have seen
it written that most any halfway decent amp will be cleaner than the radio
driving it...

73

-Jim
NU0C

On Thu, 15 Mar 2018 21:17:49 -0500, 'Paul Kraemer' elespe@...
[DrakeRadio] wrote:

>Only thing IG??d add is that if they were significantly different one would work harder
than the other but the job would get done
>Same for the finals in the TR4 and T4X. But the hype sells more tubes than reality
>Paul K0UYA
>
>From: mailto:DrakeRadio@yahoogroups.com
>Sent: Thursday, March 15, 2018 8:57 PM
>To: DrakeRadio@yahoogroups.com ; mikek4qu@...
>Subject: Re: [DrakeRadio] L-4B - mixing finals
>
>
>
>Mike,
>
>I did an experiment about 25 years ago with an L4B. I had a tube failure and had know
knowledge of how much use/abuse the tubes received from previous owners of the amp. Had a
virtually new spare tube on hand and I installed it. Operation of the amp seemed to be
normal. I checked with numerous stations, who tuned off the sides of my signal in both
directions, and they said it sounded like me, could discern no distortion, including a
couple of local stations that indicated I was almost pinning their s-meters. Obviously I
can't be emphatic about "how different" tubes can be without adverse effects. For several
amps that I serviced, the tubes had different shades of "glow" for the plates indicting
perhaps different levels of gas; no adverse performance was observed.
>
>There is an old wives' tale about having tubes perfectly matched, which I believe
originated in the days of push pull amplifiers or running the tubes in parallel at maximum
ratings, but I have never been able to confirm that tale by personal experience. I'm sure
there are experts out there that can give a more credible answer to your question than I
can provide.
>
>73,
>

>Evan, K9SQG
>
>
>
> gmail.com
>---
>
>
>
>
>
>-----Original Message-----
>From: mikek4qu@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
>To: DrakeRadio <DrakeRadio@yahoogroups.com>
>Sent: Thu, Mar 15, 2018 7:17 pm
>Subject: [DrakeRadio] L-4B - mixing finals
>
>
>
>I have an L-4B with 3-500zg tubes. One tube is bad (does not light) and the only spare I have is a NOS Penta Labs 3-500z. Can the 2 types be mixed? Thanks in advance.
>
>
>Mike
>
>
>
>
>

--

"Life is too short for QRP" - ETO Alpha

"DeciBels were invented to give QRPers a false sense of smugness" - NU0C
"QRO is a public service" - NU0C

43733. Yahoo Groups Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 07:58:30 UTC
From: Bob DeHaney
Topic: 43733 Message: 43733

Four of my Yahoo Groups have moved to Groups.io. It went very smoothly and all files and pictures came along without any problem.

Vy 73 de Bob DJ0RD/WU5T

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

43734. Re: [DrakeRadio] L-4B - mixing finals

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 06:04:46 UTC
From: Richard Knoppow
Topic: 43691 Message: 43734

I agree with this. I can't remember ever seeing anything in
the technical literature but I am far from an expert. For that
matter the exact bias point is based on minimizing distortion.
If one wanted to conduct a lab experiment one could set up an
amplifier and determine the optimum performance by varying the
electrode voltages. I remember eons ago graphing out tube
characteristics in my physics lab classes and comparing them to
published characteristics. This goes a step further. The process
for calculating distortion and optimum operating conditions can
be found in several text books. Going further to investigate them
from actual measurements rather than published characteristics
allows choice of voltages not used for the published material.
Such as investigating the effect of screen voltage on linearity.
I am pretty sure the Engineers at Drake went through
something like this in their design procedure.
When this equipment was built the tubes used were cheap and
readily available. One could select tubes for best performance
(both for receiving and transmitting). These days tubes are
getting scarce and sometimes one must make do but the chances
that the choice available will be optimum is small.
When I worked for Hewlett-Packard back when the dinosaurs
roamed I was a specialist in spectrum analyzers. I still don't
have one. It is an essential tool in researching amplifiers,
either audio or RF. The other essential of course is a distortion
free test signal source. Somewhere in one of Eimac's handbooks
they describe their method of testing for IMD, they jumped
through hoops to do it.

On 3/15/2018 10:08 PM, 'Jim Shorney' jshorney@...
[DrakeRadio] wrote:
>
> The only way to say for sure is to run some IMD tests with real lab equipment.
> It probably doesn't matter so much these days with bands filled with computer
> and SMPS noise, alongside modern overcompressed overedriven radios. I have seen
> it written that most any halfway decent amp will be cleaner than the radio
> driving it...
>
> 73
>
> -Jim
> NU0C
>
> On Thu, 15 Mar 2018 21:17:49 -0500, 'Paul Kraemer' elespe@...
> [DrakeRadio] wrote:
>

>> Only thing IG??d add is that if they were significantly different one would work harder than the other but the job would get done
>> Same for the finals in the TR4 and T4X. But the hype sells more tubes than reality
>> Paul K0UYA
>>
>> From: mailto:DrakeRadio@yahoogroups.com
>> Sent: Thursday, March 15, 2018 8:57 PM
>> To: DrakeRadio@yahoogroups.com ; mikek4qu@...
>> Subject: Re: [DrakeRadio] L-4B - mixing finals
>>
>>
>>
>> Mike,
>>
>> I did an experiment about 25 years ago with an L4B. I had a tube failure and had know knowledge of how much use/abuse the tubes received from previous owners of the amp. Had a virtually new spare tube on hand and I installed it. Operation of the amp seemed to be normal. I checked with numerous stations, who tuned off the sides of my signal in both directions, and they said it sounded like me, could discern no distortion, including a couple of local stations that indicated I was almost pinning their s-meters. Obviously I can't be emphatic about "how different" tubes can be without adverse effects. For several amps that I serviced, the tubes had different shades of "glow" for the plates indicting perhaps different levels of gas; no adverse performance was observed.
>>
>> There is an old wives' tale about having tubes perfectly matched, which I believe originated in the days of push pull amplifiers or running the tubes in parallel at maximum ratings, but I have never been able to confirm that tale by personal experience. I'm sure there are experts out there that can give a more credible answer to your question than I can provide.
>>
>> 73,
>>
>> Evan, K9SQG
>>
>>
>>
>> gmail.com

--
Richard Knoppow
1oldlens1@...
WB6KBL

43735. Re: [DrakeRadio] Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 11:22:13 UTC
From: Steve Wedge
Topic: 43717 Message: 43735

They will soon join Netscape in the computer Island of Unwanted Toys.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 15, 2018, at 21:56, Rory n6oil@arrl.net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Callum M0MCX did a couple of how to YouTubes on moving to groups.io
> https://youtu.be/EX7eghHgE30
>
> N6OIL, Rory
>
>> On Thu, Mar 15, 2018 at 6:48 PM, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>> I am fine with moving
>>
>>
>> Brian Smith
>>
>>> On Mar 14, 2018, at 1:28 PM, wendy101@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>>
>>>
>>> Well Yahoo Groups is certainly not getting any better. Emails get sent but we don't receive them for hours or even days. I am sending this on Tuesday 14 March, 2018 at about 11:30 MST. I think it's time for us to get out while we can still transfer all of the data we have in Yahoo into another group like, Groups.io. I am a member of another group that was with Yahoo and just recently switched to Groups.io and everything was transfered and it works great.. I have talked with the owner of this group and he has moved about 22 groups from Yahoo to Groups.io. He said it is not difficult and he is willing to help us if we need it. Your thoughts?
>>>
>>> Al, n7ioh
>>> Payson, Arizona
>>>
>>>
>>>
>>>
>>
>
>

43736. Re: [DrakeRadio] L-4B - mixing finals

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 11:28:56 UTC
From: Steve Wedge
Topic: 43691 Message: 43736

My TR-3 has mongrel 12JB6's and works fine. Picked at different hamfests.

YMMV

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 16, 2018, at 01:08, 'Jim Shorney' jshorney@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
>
> The only way to say for sure is to run some IMD tests with real lab equipment.
> It probably doesn't matter so much these days with bands filled with computer
> and SMPS noise, alongside modern overcompressed overedriven radios. I have seen
> it written that most any halfway decent amp will be cleaner than the radio
> driving it...
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> 73
>
> -Jim
> NU0C
>
> On Thu, 15 Mar 2018 21:17:49 -0500, 'Paul Kraemer' elespe@lisco.com
> [DrakeRadio] wrote:
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than the other but the job would get done
>> Same for the finals in the TR4 and T4X. But the hype sells more tubes than reality
>> Paul K0UYA
>>
>> From: mailto:DrakeRadio@yahoogroups.com
>> Sent: Thursday, March 15, 2018 8:57 PM
>> To: DrakeRadio@yahoogroups.com ; mikek4qu@...
>> Subject: Re: [DrakeRadio] L-4B - mixing finals
>>
>>
>>
>> Mike,
>>
>> I did an experiment about 25 years ago with an L4B. I had a tube failure and had know
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virtually new spare tube on hand and I installed it. Operation of the amp seemed to be
normal. I checked with numerous stations, who tuned off the sides of my signal in both
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couple of local stations that indicated I was almost pinning their s-meters. Obviously I

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>> There is an old wives' tale about having tubes perfectly matched, which I believe originated in the days of push pull amplifiers or running the tubes in parallel at maximum ratings, but I have never been able to confirm that tale by personal experience. I'm sure there are experts out there that can give a more credible answer to your question than I can provide.
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>> 73,
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>> Evan, K9SQG
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>>
>> gmail.com
>> ---
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>> -----Original Message-----
>> From: mikek4qu@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
>> To: DrakeRadio <DrakeRadio@yahoogroups.com>
>> Sent: Thu, Mar 15, 2018 7:17 pm
>> Subject: [DrakeRadio] L-4B - mixing finals
>>
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>> I have an L-4B with 3-500zg tubes. One tube is bad (does not light) and the only spare I have is a NOS Penta Labs 3-500z. Can the 2 types be mixed? Thanks in advance.
>>
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>> Mike
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> "Life is too short for QRP" - ETO Alpha
>
> "DeciBels were invented to give QRPers a false sense of smugness" - NU0C
> "QRO is a public service" - NU0C
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>
> Yahoo Groups Links
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43737. Re: [DrakeRadio] Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 11:40:19 UTC
From: William Shadid
Topic: 43717 Message: 43737

I agree that it is time to go - Yahoo once served us well but they are in their death throws and we need move before files vanish. Another issue I have recently found with Yahoo is that when one does move it seems difficult to cancel membership in individual Yahoo groups. The net result of such a cancellation attempt is a "Server Error" message. Either we do move or I will be making attempts to cancel if only to disconnect from Yahoo in general.

Just my two cents worth.

73,

-Bill, W9MXQ

On 3/14/2018 1:28 PM, wendy101@... [DrakeRadio] wrote:
>
> Well Yahoo Groups is certainly not getting any better. Emails get sent
> but we don't receive them for hours or even days. I am sending this
> on Tuesday 14 March, 2018 at about 11:30 MST. I think it's time for
> us to get out while we can still transfer all of the data we have in
> Yahoo into another group like, Groups.io. I am a member of another
> group that was with Yahoo and just recently switched to Groups.io and
> everything was transfered and it works great. I have talked with the
> owner of this group and he has moved about 22 groups from Yahoo to
> Groups.io. He said it is not difficult and he is willing to help us if
> we need it. Your thoughts?
>
> Al, n7ioh
> Payson, Arizona
>
>
>

43738. Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 12:16:21 UTC
From: Brian Allen
Topic: 43717 Message: 43738

Yahoo Groups has served well many years. Unfortunately, it has cycled out, time to move on.

43739. Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 12:19:04 UTC
From: Louis Giovannetti
Topic: 43717 Message: 43739

WHY? then where do we go for our group?

On Friday, March 16, 2018 8:16 AM, "Brian Allen bsa0791@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

Yahoo Groups has served well many years. Unfortunately, it has cycled out, time to move on.

43740. Re: [DrakeRadio] Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 12:59:10 UTC
From: blumu
Topic: 43717 Message: 43740

I would support moving lock-stock-and-barrell to io.
It would be great if "someone" could additionally keep all
our precious files on a big hard-drive somewhere - just in case.

Re the issue with cancelling individual Y groups, I would suggest
letting unwanted ones purr on, but to exclude them from your mail inbox.

Michael
2E0IHW

On Freitag, 16. 03 18 11:40, William Shadid wa9mxq@...
[DrakeRadio] wrote:
> I agree that it is time to go - Yahoo once served us well but they are
> in their death throws and we need move before files vanish. Another
> issue I have recently found with Yahoo is that when one does move it
> seems difficult to cancel membership in individual Yahoo groups. The net
> result of such a cancellation attempt is a "Server Error" message.
> Either we do move or I will be making attempts to cancel if only to
> disconnect from Yahoo in general.
>
> Just my two cents worth.
>
> 73,
>
> -Bill, W9MXQ
>
>
> On 3/14/2018 1:28 PM, wendy101@... [DrakeRadio] wrote:
>>
>> Well Yahoo Groups is certainly not getting any better. Emails get sent
>> but we don't receive them for hours or even days. I am sending this
>> on Tuesday 14 March, 2018 at about 11:30 MST. I think it's time for
>> us to get out while we can still transfer all of the data we have in
>> Yahoo into another group like, Groups.io. I am a member of another
>> group that was with Yahoo and just recently switched to Groups.io and
>> everything was transfered and it works great. I have talked with the
>> owner of this group and he has moved about 22 groups from Yahoo to
>> Groups.io. He said it is not difficult and he is willing to help us if
>> we need it. Your thoughts?
>>
>> Al, n7ioh
>> Payson, Arizona

43741. Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 13:33:30 UTC
From: Lacera DeWilde
Topic: 43717 Message: 43741

I would like to move to IO myself.

_____
From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of Louis Giovannetti kb2dhg@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Friday, March 16, 2018 8:19 AM
To: DrakeRadio@yahoogroups.com; Brian Allen
Subject: Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

WHY? then where do we go for our group?

On Friday, March 16, 2018 8:16 AM, "Brian Allen bsa0791@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

Yahoo Groups has served well many years. Unfortunately, it has cycled out, time to move on.

43742. Cabinet paint

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 14:11:13 UTC
From: wb4aeg@...
Topic: 43742 Message: 43742

hat is the recommended paint for Drake cabinets? Hal/WB4AEG

43743. Re: [DrakeRadio] Cabinet paint

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 14:13:17 UTC
From: Barry
Topic: 43742 Message: 43743

I think you may want to be more specific as to which cabinet.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "wb4aeg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Friday, March 16, 2018 9:11:13 AM
> Subject: [DrakeRadio] Cabinet paint
>
> hat is the recommended paint for Drake cabinets? Hal/WB4AEG
>

43744. Re: [DrakeRadio] Cabinet paint

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 14:16:11 UTC
From: Hal Dale
Topic: 43742 Message: 43744

R4B

---- On Fri, 16 Mar 2018 10:13:17 -0400 Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote ----

I think you may want to be more specific as to which cabinet.

Thanks,

Barry - N4BUQ

----- Original Message -----

> From: "wb4aeg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>

> To: DrakeRadio@yahoogroups.com

> Sent: Friday, March 16, 2018 9:11:13 AM

> Subject: [DrakeRadio] Cabinet paint

>

> hat is the recommended paint for Drake cabinets? Hal/WB4AEG

>

43745. Re: [DrakeRadio] Cabinet paint

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 14:23:23 UTC
From: Barry
Topic: 43742 Message: 43745

There's an article titled "CABINET REPAINTING BASICS" here: http://www.wb4hfn.com/DRAKE/

That article recommends Krylon #51613 Satin Black and discusses how to reproduce the "spackled" look. I don't think all R4-B cabinets were textured that way so you may not have to do that part.

I've had good results with Rustoleum Satin Black for the 2B and TR4 (non-textured).

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Hal Dale wb4aeg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
> Sent: Friday, March 16, 2018 9:16:11 AM
> Subject: Re: [DrakeRadio] Cabinet paint
>
> R4B
>
>
>
>
> ---- On Fri, 16 Mar 2018 10:13:17 -0400 Barry n4buq@... [DrakeRadio]
> <DrakeRadio@yahoogroups.com> wrote ----
>
>
>
>
>
>
>
> I think you may want to be more specific as to which cabinet.
>
>
>
> Thanks,
>
> Barry - N4BUQ
>
>
>
> ----- Original Message -----
>
> > From: "wb4aeg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
>
> > To: DrakeRadio@yahoogroups.com
>

> > Sent: Friday, March 16, 2018 9:11:13 AM
>
> > Subject: [DrakeRadio] Cabinet paint
>
> >
>
> > hat is the recommended paint for Drake cabinets? Hal/WB4AEG
>
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43746. Re: [DrakeRadio] Cabinet paint

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 14:26:47 UTC
From: Frank Barnes
Topic: 43742 Message: 43746

Any suggestions for cabinet paint for a TX4-C?
Frank
W4NPN

On Fri, Mar 16, 2018 at 10:23 AM, Barry n4buq@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> There's an article titled "CABINET REPAINTING BASICS" here:
> http://www.wb4hfn.com/DRAKE/
>
> That article recommends Krylon #51613 Satin Black and discusses how to
> reproduce the "spackled" look. I don't think all R4-B cabinets were
> textured that way so you may not have to do that part.
>
> I've had good results with Rustoleum Satin Black for the 2B and TR4
> (non-textured).
>
> Thanks,
> Barry - N4BUQ
>
> ----- Original Message -----
> > From: "Hal Dale wb4aeg@... [DrakeRadio]" <
> DrakeRadio@yahoogroups.com>
> > To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
> > Sent: Friday, March 16, 2018 9:16:11 AM
> > Subject: Re: [DrakeRadio] Cabinet paint
> >
> > R4B
> >
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> >
> > ---- On Fri, 16 Mar 2018 10:13:17 -0400 Barry n4buq@...
> [DrakeRadio]
> > <DrakeRadio@yahoogroups.com> wrote ----
> >
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> >
> > I think you may want to be more specific as to which cabinet.
> >

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> >
> > Thanks,
> >
> > Barry - N4BUQ
> >
> >
> >
> > ----- Original Message -----
> >
> > > From: "wb4aeg@zoho.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> >
> > > To: DrakeRadio@yahoogroups.com
> >
> > > Sent: Friday, March 16, 2018 9:11:13 AM
> >
> > > Subject: [DrakeRadio] Cabinet paint
> >
> > >
> >
> > > hat is the recommended paint for Drake cabinets? Hal/WB4AEG
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--
Frank Barnes
W4NPN
Chapel Hill, NC
Grid Square FM05
Cell 919.260.7955

43747. Re: [DrakeRadio] Cabinet paint

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 14:41:47 UTC
From: Steve Wedge
Topic: 43742 Message: 43747

I've used the Krylon Satin Black with and without the additional drilled-out nozzle and have had good results.

The A-Line, TR-3's and early TR-4's have the non-textured cabinets. Every B-Line and later I've ever seen that wasn't Frankensteined has the textured finish.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 16, 2018, at 10:26, Frank Barnes fbw4npn@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Any suggestions for cabinet paint for a TX4-C?
> Frank
> W4NPN
>
>> On Fri, Mar 16, 2018 at 10:23 AM, Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>> There's an article titled "CABINET REPAINTING BASICS" here: http://www.wb4hfn.com/DRAKE/
>>
>> That article recommends Krylon #51613 Satin Black and discusses how to reproduce the "spackled" look. I don't think all R4-B cabinets were textured that way so you may not have to do that part.
>>
>> I've had good results with Rustoleum Satin Black for the 2B and TR4 (non-textured).
>>
>> Thanks,
>> Barry - N4BUQ
>>
>> ----- Original Message -----
>> > From: "Hal Dale wb4aeg@zoho.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
>> > To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
>> > Sent: Friday, March 16, 2018 9:16:11 AM
>> > Subject: Re: [DrakeRadio] Cabinet paint
>> >
>> > R4B
>> >
>> >
>> >
>> >
>> > ---- On Fri, 16 Mar 2018 10:13:17 -0400 Barry n4buq@... [DrakeRadio]
>> > <DrakeRadio@yahoogroups.com> wrote ----
>> >

>> >
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>> >
>> > I think you may want to be more specific as to which cabinet.
>> >
>> >
>> >
>> > Thanks,
>> >
>> > Barry - N4BUQ
>> >
>> >
>> >
>> > ----- Original Message -----
>> >
>> > > From: "wb4aeg@zoho.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
>> >
>> > > To: DrakeRadio@yahoogroups.com
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>> > > Sent: Friday, March 16, 2018 9:11:13 AM
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> --
> Frank Barnes
> W4NPN
> Chapel Hill, NC
> Grid Square FM05
> Cell 919.260.7955
>

43748. Re: [DrakeRadio] Cabinet paint

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 14:35:45 UTC
From: Hal Dale
Topic: 43742 Message: 43748

Thanks much, Hal/WB4AEG

---- On Fri, 16 Mar 2018 10:26:47 -0400 Frank Barnes fbw4npn@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote ----

Any suggestions for cabinet paint for a TX4-C?

Frank

W4NPN

On Fri, Mar 16, 2018 at 10:23 AM, Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

There's an article titled "CABINET REPAINTING BASICS" here: http://www.wb4hfn.com/DRAKE/

That article recommends Krylon #51613 Satin Black and discusses how to reproduce the "spackled" look. I don't think all R4-B cabinets were textured that way so you may not have to do that part.

I've had good results with Rustoleum Satin Black for the 2B and TR4 (non-textured).

Thanks,

Barry - N4BUQ

----- Original Message -----

> From: "Hal Dale wb4aeg@zoho.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>

> To: "DrakeRadio" <DrakeRadio@yahoogroups.com>

> Sent: Friday, March 16, 2018 9:16:11 AM

> Subject: Re: [DrakeRadio] Cabinet paint

>

> R4B

>

>

>

>

> ---- On Fri, 16 Mar 2018 10:13:17 -0400 Barry n4buq@... [DrakeRadio]

> <DrakeRadio@yahoogroups.com> wrote ----

>

>

>

>

>

>

>; I think you may want to be more specific as to which cabinet.

>

>

>

> Thanks,

>

> Barry - N4BUQ

>

>

>

> ----- Original Message -----

>

> > From: "wb4aeg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>

>

> > To: DrakeRadio@yahoogroups.com

>

> > Sent: Friday, March 16, 2018 9:11:13 AM

>

> > Subject: [DrakeRadio] Cabinet paint

>

> > >

>

> > hat is the recommended paint for Drake cabinets? Hal/WB4AEG

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Frank Barnes

W4NPN

Chapel Hill, NC

Grid Square FM05

Cell 919.260.7955

43749. Re: [DrakeRadio] Cabinet paint

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 15:03:47 UTC
From: Barry
Topic: 43742 Message: 43749

The 2Bs were smooth and I presume the 1As and 2As were as well. I don't know about the 2Cs.

I think some MS-4 cabinets were smooth and some were textured (presume early/late determined that). I have a textured MS-4 that needs repainting and is going to become a smooth MS-4 to match my early TR-4 that I painted (the top).

Thanks,
Barry - N4BUQ

> I've used the Krylon Satin Black with and without the additional drilled-out
> nozzle and have had good results.
>
> The A-Line, TR-3's and early TR-4's have the non-textured cabinets. Every
> B-Line and later I've ever seen that wasn't Frankensteined has the textured
> finish.
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly sophisticated
> software.
>
> > On Mar 16, 2018, at 10:26, Frank Barnes fbw4npn@... [DrakeRadio]
> > <DrakeRadio@yahoogroups.com> wrote:
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> > Any suggestions for cabinet paint for a TX4-C?
> > Frank
> > W4NPN
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> >> On Fri, Mar 16, 2018 at 10:23 AM, Barry n4buq@...t [DrakeRadio]
> >> <DrakeRadio@yahoogroups.com> wrote:
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> >> There's an article titled "CABINET REPAINTING BASICS" here:
> >> http://www.wb4hfn.com/DRAKE/
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> >> That article recommends Krylon #51613 Satin Black and discusses how to
> >> reproduce the "spackled" look. I don't think all R4-B cabinets were
> >> textured that way so you may not have to do that part.
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> >> I've had good results with Rustoleum Satin Black for the 2B and TR4
> >> (non-textured).
> >>
> >> Thanks,
> >> Barry - N4BUQ
> >>
> >> ----- Original Message -----
> >> > From: "Hal Dale wb4aeg@... [DrakeRadio]"

> >> > <DrakeRadio@yahoogroups.com>
> >> > To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
> >> > Sent: Friday, March 16, 2018 9:16:11 AM
> >> > Subject: Re: [DrakeRadio] Cabinet paint
> >> >
> >> > R4B
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> >> > ---- On Fri, 16 Mar 2018 10:13:17 -0400 Barry n4buq@...
> >> > [DrakeRadio]
> >> > <DrakeRadio@yahoogroups.com> wrote ----
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> >> >
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> >> > I think you may want to be more specific as to which cabinet.
> >> >
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> >> >
> >> > Thanks,
> >> >
> >> > Barry - N4BUQ
> >> >
> >> >
> >> >
> >> > ----- Original Message -----
> >> >
> >> > > From: "wb4aeg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> >> >
> >> > > To: DrakeRadio@yahoogroups.com
> >> >
> >> > > Sent: Friday, March 16, 2018 9:11:13 AM
> >> >
> >> > > Subject: [DrakeRadio] Cabinet paint
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> > --
> > Frank Barnes
> > W4NPN
> > Chapel Hill, NC
> > Grid Square FM05
> > Cell 919.260.7955
> >
>

43750. Central Electronics

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 15:36:05 UTC
From: wallydoc@...
Topic: 43750 Message: 43750

Don't know where exactly to put this so here goes:
Recently uncovered Central Electronics V200 Transmitter.
Appears in good shape, I have not cleaned it yet. Have not turned it on. Came with Mic.
This is THE Boatanchor Transmitter.
Any interest, e mail me and I will give you the phone of the current owner.
Wally KC9INK

43751. RE: [DrakeRadio] Yahoo Groups Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 15:40:39 UTC
From: Joe
Topic: 43733 Message: 43751

Time to weigh in on moving the group:

I am against the idea for now. Several reasons, so I will explain.

First and foremost, Moving to IO is **NOT** as fool proof and some would lead us to believe. I am a member of one, non-radio affiliated group, that made the move and lost everything...10 years of files, messages, etc. All is not rosy in the 'garden'!

Secondly, I have little love for the individual who started the IO group, who claims he started Yahoogroups. He did not. (Look up the history of YahooGroups and the merging of various mail groups to create eGroups, mainly from Scott Hassan's FindMail mail group in 1997. In mid 1998, FindMail was officially renamed eGroups.
The guy who started IO groups, Mark Fletcher, who claimed he started eGroups, had a mail group called ONElist, which was absorbed (Polite term 'merged') by eGroups in 2000 . In late 2000 eGroups was purchased by Yahoo. (Making Scott and partners VERY wealthy!!)

OK, how do I know all this? Well...I was a part of it, from the beginning.

Mark Fletcher had nothing to do with the formation of eGroups, nee, YahooGroups. I simply don't trust the man who lies about his involvement with the original Groups. What *isn't* he telling us about his IO group? Hmmmmm......

OK, Thirdly. IO won't last. Simple economics will dictate that. They just don't have the server capability to maintain the level of users, files, etc. That Yahoo/Verizon has. As more specialty groups move to IO, their servers will start to experience major overloads and slowdowns as well as system wide shutdowns. As I am in the mainframe business, it is painfully clear to me what will happen.

Lastly: Right now there is an alarmist crying/warning about the downfall of Yahoo, (Verizon) etc. Candidly, these past 4 days have been the first time we here in the DrakeRadio group have experienced any major inconveniences. The other major ham related group I own, HeathKit_HFAmps, has not experienced any issues yet, and hopefully, we won't.

That said, I ***AM*** going to start backing up all our files and attachments to on-site storage, here in my office, on a dedicated hard drive.

I am also going to start looking for an individual here in the DrakeRadio Group to appoint as a moderator. This is too important a group to be run/controlled by 1 person. Garey knew this when he made me a co-owner, way back when. I am now in his shoes, administrating wise, as he was. (Just

wish I had his knowledge of Drakes!)

That's it. I am not going to rush into changing groups. Too soon. I hope everyone understands where I am coming from.

Thanks for bearing with me!

Joe Wolfe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Yahoo Groups Problem

Four of my Yahoo Groups have moved to Groups.io. It went very smoothly and all files and pictures came along without any problem.

Vy 73 de Bob DJ0RD/WU5T

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

Posted by: "Bob DeHaney" <bobdehaney@...>

Yahoo Groups Links

43752. Re: [DrakeRadio] Yahoo Groups Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 15:48:20 UTC
From: Lee Bahr
Topic: 43733 Message: 43752

Please make the move and stop discussing moving!? It is inevitable. Plus I belong to a couple dozen groups who already made the move with no problems.? Why all this procrastination is beyond me.? Yahoo Groups is a mess and will not get better.? If you do not move to io soon, you will most likely not be able to move and then lose everything.
w0vt

43753. Re: [DrakeRadio] Cabinet paint

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 15:52:07 UTC
From: VE7PS
Topic: 43742 Message: 43753

More on the Drake Paint...

Yes, the 1-A, and 2-A series had smooth finish cabinets. The 2-C series had the spatter finish like the 4B line and later.

On a personal note, I have moved away from using the Krylon rattle cans. I was never completely happy with the outcome, especially after they changed the number from just plain 1613. It may just be my imagination, but now seems too dull a finish compared to the originals.

I now have my 4-line spatter-look cabinets powder coated by a paint shop about 2 hours drive from me. The price is too low not to, and the results, for me, have been much more satisfying. The textured finish ends up looking more like that of the later TR-7's, after Drake stopped using the 3M sticky paint, and the colour and sheen is an almost perfect match to the post-production replacement BLACK 7-line cabinets Drake sold for a while.

I have provided a link (it's a large file) to a picture of a C-line with a very good *ORIGINAL **PAINT *R-4C, sandwiched between a powder coated MS-4 and T-4XC. Close-up you can tell the difference in the finish, but you can't, or at least I can't, from 3' away. Zoom in for a close look.

https://www.dropbox.com/s/060a4ziq4liufpp/IMG_1697.JPG?dl=0

The paint we use is *Axzo Nobel****Textra Black Sand****31-7091.

According to my paint shop, it is very commonly available in the US.

*73,

Peter
VE7PS*
**
*
On 3/16/2018 8:03 AM, Barry n4buq@... [DrakeRadio] wrote:
>
> The 2Bs were smooth and I presume the 1As and 2As were as well. I
> don't know about the 2Cs.
>
> I think some MS-4 cabinets were smooth and some were textured (presume
> early/late determined that). I have a textured MS-4 that needs
> repainting and is going to become a smooth MS-4 to match my early TR-4
> that I painted (the top).
>
> Thanks,
> Barry - N4BUQ

>
> > I’ve used the Krylon Satin Black with and without the additional
> drilled-out
> > nozzle and have had good results.
> >
> > The A-Line, TR-3’s and early TR-4’s have the non-textured cabinets.
> Every
> > B-Line and later I’ve ever seen that wasn’t Frankensteined has the
> textured
> > finish.
> >
> > Steve Wedge, W1ES/4
> >
> > Sent from my iPhone - the typos have been generated by highly
> sophisticated
> > software.
> >
> > > On Mar 16, 2018, at 10:26, Frank Barnes fbw4npn@... [DrakeRadio]
> > > <DrakeRadio@yahoogroups.com> wrote:
> > >
> > > Any suggestions for cabinet paint for a TX4-C?
> > > Frank
> > > W4NPN
> > >
> > >> On Fri, Mar 16, 2018 at 10:23 AM, Barry n4buq@...
> [DrakeRadio]
> > >> <DrakeRadio@yahoogroups.com> wrote:
> > >>
> > >> There's an article titled "CABINET REPAINTING BASICS" here:
> > >> http://www.wb4hfn.com/DRAKE/
> > >>
> > >> That article recommends Krylon #51613 Satin Black and discusses
> how to
> > >> reproduce the "spackled" look. I don't think all R4-B cabinets were
> > >> textured that way so you may not have to do that part.
> > >>
> > >> I've had good results with Rustoleum Satin Black for the 2B and TR4
> > >> (non-textured).
> > >>
> > >> Thanks,
> > >> Barry - N4BUQ
> > >>
> > >> ----- Original Message -----
> > >> > From: "Hal Dale wb4aeg@... [DrakeRadio]"
> > >> > <DrakeRadio@yahoogroups.com>
> > >> > To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
> > >> > Sent: Friday, March 16, 2018 9:16:11 AM
> > >> > Subject: Re: [DrakeRadio] Cabinet paint
> > >> >
> > >> > R4B

> > >> >
> > >> >
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> > >> >
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> > >> >
> > >> >
> > >> > I think you may want to be more specific as to which cabinet.
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> > >> >
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> > >> >
> > >> > Barry - N4BUQ
> > >> >
> > >> >
> > >> >
> > >> > ----- Original Message -----
> > >> >
> > >> > > From: "wb4aeg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
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> > >> > > To: DrakeRadio@yahoogroups.com
> > >> >
> > >> > > Sent: Friday, March 16, 2018 9:11:13 AM
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> > > --
> > > Frank Barnes
> > > W4NPN
> > > Chapel Hill, NC
> > > Grid Square FM05
> > > Cell 919.260.7955
> > >
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>

This email has been checked for viruses by AVG.
http://www.avg.com

43754. Re: [DrakeRadio] Central Electronics

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 15:58:52 UTC
From: Stan McIntosh
Topic: 43750 Message: 43754

>>Recently uncovered Central Electronics V200 Transmitter.
>>Appears in good shape, I have not cleaned it yet. Have not turned it on.
Came with Mic.

Color me jealous! I have a CE20A that followed me home just over a year
ago. It was not working, but getting it going was a ball!

73
Stan
KD4BTH

On Fri, Mar 16, 2018 at 11:36 AM, wallydoc@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Don't know where exactly to put this so here goes:
>
> Recently uncovered Central Electronics V200 Transmitter.
>
> Appears in good shape, I have not cleaned it yet. Have not turned it on.
> Came with Mic.
>
> This is THE Boatanchor Transmitter.
>
> Any interest, e mail me and I will give you the phone of the current owner.
>
> Wally KC9INK
>
>
>
>

43755. Re: [DrakeRadio] Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 16:00:47 UTC
From: Charles Ahlgren
Topic: 43717 Message: 43755

I agree.....Recently I have tried several times to look at my groups on Yohoo Groups....I can log in fine, but all other access, etc has literally disappeared and I have no idea how to get it back....

I am a member of other groups that have moved to Google...Seems like a logical thing to do given the circumstances...

73's de Charles, KW6G (formerly - WB6IYM)

On Fri, Mar 16, 2018 at 4:22 AM, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> They will soon join Netscape in the computer Island of Unwanted Toys.
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly
> sophisticated software.
>
> On Mar 15, 2018, at 21:56, Rory n6oil@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com> wrote:
>
>
>
> Callum M0MCX did a couple of how to YouTubes on moving to groups.io
> https://youtu.be/EX7eghHgE30
>
> N6OIL, Rory
>
> On Thu, Mar 15, 2018 at 6:48 PM, Brian Smith k9bps@... [DrakeRadio]
> <DrakeRadio@yahoogroups.com> wrote:
>
>>
>>
>> I am fine with moving
>>
>> Brian Smith
>>
>> On Mar 14, 2018, at 1:28 PM, wendy101@... [DrakeRadio] <
>> DrakeRadio@yahoogroups.com> wrote:
>>
>>
>>
>> Well Yahoo Groups is certainly not getting any better. Emails get sent

>> but we don't receive them for hours or even days. I am sending this on
>> Tuesday 14 March, 2018 at about 11:30 MST. I think it's time for us to get
>> out while we can still transfer all of the data we have in Yahoo into
>> another group like, Groups.io. I am a member of another group that was
>> with Yahoo and just recently switched to Groups.io and everything was
>> transfered and it works great.. I have talked with the owner of this group
>> and he has moved about 22 groups from Yahoo to Groups.io. He said it is
>> not difficult and he is willing to help us if we need it. Your thoughts?
>>
>> Al, n7ioh
>> Payson, Arizona
>>
>>
>>
>
>

43756. Re: [DrakeRadio] Yahoo Groups Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 16:04:16 UTC
From: Jim Wiley
Topic: 43733 Message: 43756

At this point, I am in agreement with Joe (W7RKN) as to moving (drake radio) to another group. I recognize that there are some issues, but they do not seem (to me) to be worth the hassle of moving to another host. I will, however, keep watch to see if the situation rectifies itself or continues to deteriorate.

I am just a user, and have no stake in the politics or anything that looks like leadership issues, I am just a lowly user. So far, any perceived problems seem relatively minor, and not worth upsetting the apple cart we have. Keep in mind this sound advice, which is not original to me: "If it works, don't fix it"

You may, or may not, agree.

Just my 2 cents worth for now.

- Jim, KL7CC

On 3/16/2018 7:40 AM, Joe w7rkn.7@... [DrakeRadio] wrote:
>
> Time to weigh in on moving the group:
>
> I am against the idea for now. Several reasons, so I will explain.
>
> First and foremost, Moving to IO is **NOT** as fool proof and some would
> lead us to believe. I am a member of one, non-radio affiliated group, that
> made the move and lost everything...10 years of files, messages, etc. All
> is not rosy in the 'garden'!
>
> Secondly, I have little love for the individual who started the IO group,
> who claims he started Yahoogroups. He did not. (Look up the history of
> YahooGroups and the merging of various mail groups to create eGroups,
> mainly from Scott Hassan's FindMail mail group in 1997. In mid 1998,
> FindMail was officially renamed eGroups.
> The guy who started IO groups, Mark Fletcher, who claimed he started
> eGroups, had a mail group called ONElist, which was absorbed (Polite term
> 'merged') by eGroups in 2000 . In late 2000 eGroups was purchased by
> Yahoo.
> (Making Scott and partners VERY wealthy!!)
>
> OK, how do I know all this? Well...I was a part of it, from the beginning.
>
> Mark Fletcher had nothing to do with the formation of eGroups, nee,
> YahooGroups. I simply don't trust the man who lies about his involvement
> with the original Groups. What *isn't* he telling us about his IO group?
> Hmmmmm......

>
> OK, Thirdly. IO won't last. Simple economics will dictate that. They just
> don't have the server capability to maintain the level of users,
> files, etc.
> That Yahoo/Verizon has. As more specialty groups move to IO, their servers
> will start to experience major overloads and slowdowns as well as system
> wide shutdowns. As I am in the mainframe business, it is painfully
> clear to
> me what will happen.
>
> Lastly: Right now there is an alarmist crying/warning about the
> downfall of
> Yahoo, (Verizon) etc. Candidly, these past 4 days have been the first time
> we here in the DrakeRadio group have experienced any major inconveniences.
> The other major ham related group I own, HeathKit_HFAmps, has not
> experienced any issues yet, and hopefully, we won't.
>
> That said, I ***AM*** going to start backing up all our files and
> attachments to on-site storage, here in my office, on a dedicated hard
> drive.
>
> I am also going to start looking for an individual here in the DrakeRadio
> Group to appoint as a moderator. This is too important a group to be
> run/controlled by 1 person. Garey knew this when he made me a
> co-owner, way
> back when. I am now in his shoes, administrating wise, as he was. (Just
> wish I had his knowledge of Drakes!)
>
> That's it. I am not going to rush into changing groups. Too soon. I hope
> everyone understands where I am coming from.
>
> Thanks for bearing with me!
>
> Joe Wolfe - W7RKN
>
> -----Original Message-----
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Subject: [DrakeRadio] Yahoo Groups Problem
>
> Four of my Yahoo Groups have moved to Groups.io. It went very smoothly and
> all files and pictures came along without any problem.
>
> Vy 73 de Bob DJ0RD/WU5T
>
> ---
> This email has been checked for viruses by Avast antivirus software.
> https://www.avast.com/antivirus
>
> ------------------------------------
> Posted by: "Bob DeHaney" <bobdehaney@...>

> ------------------------------------
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> ------------------------------------
>
> Yahoo Groups Links
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>

43757. Re: [DrakeRadio] Cabinet paint

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 16:04:37 UTC
From: Barry
Topic: 43742 Message: 43757

The local powder-coating business has a pretty high minimum charge. I had some R-390A front panels done and those turned out pretty nice but just can't justify their minimum anymore.

I prefer the Rustoleum to Krylon. Properly stripped, sanded, primed, coated, and baked, it makes for a very nice finish (albeit, I haven't tried the textured trick yet).

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "VE7PS ve7ps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Friday, March 16, 2018 10:52:07 AM
> Subject: Re: [DrakeRadio] Cabinet paint
>
> More on the Drake Paint...
>
> Yes, the 1-A, and 2-A series had smooth finish cabinets. The 2-C series
> had the spatter finish like the 4B line and later.
>
> On a personal note, I have moved away from using the Krylon rattle
> cans. I was never completely happy with the outcome, especially after
> they changed the number from just plain 1613. It may just be my
> imagination, but now seems too dull a finish compared to the originals.
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> I now have my 4-line spatter-look cabinets powder coated by a paint shop
> about 2 hours drive from me. The price is too low not to, and the
> results, for me, have been much more satisfying. The textured finish
> ends up looking more like that of the later TR-7's, after Drake stopped
> using the 3M sticky paint, and the colour and sheen is an almost perfect
> match to the post-production replacement BLACK 7-line cabinets Drake
> sold for a while.
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> I have provided a link (it's a large file) to a picture of a C-line with
> a very good *ORIGINAL **PAINT *R-4C, sandwiched between a powder coated
> MS-4 and T-4XC. Close-up you can tell the difference in the finish, but
> you can't, or at least I can't, from 3' away. Zoom in for a close look.
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> https://www.dropbox.com/s/060a4ziq4liufpp/IMG_1697.JPG?dl=0
>
> The paint we use is *Axzo Nobel****Textra Black Sand****31-7091.
>
> *According to my paint shop, it is very commonly available in the US.*
>
> *73,
>

> Peter
> VE7PS*
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> *
> On 3/16/2018 8:03 AM, Barry n4buq@... [DrakeRadio] wrote:
> >
> > The 2Bs were smooth and I presume the 1As and 2As were as well. I
> > don't know about the 2Cs.
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> > I think some MS-4 cabinets were smooth and some were textured (presume
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> > > I've used the Krylon Satin Black with and without the additional
> > drilled-out
> > > nozzle and have had good results.
> > >
> > > The A-Line, TR-3's and early TR-4's have the non-textured cabinets.
> > Every
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> > > Sent from my iPhone - the typos have been generated by highly
> > sophisticated
> > > software.
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> > > > On Mar 16, 2018, at 10:26, Frank Barnes fbw4npn@... [DrakeRadio]
> > > > <DrakeRadio@yahoogroups.com> wrote:
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> > > > Any suggestions for cabinet paint for a TX4-C?
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> > > >> http://www.wb4hfn.com/DRAKE/
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> > > >> That article recommends Krylon #51613 Satin Black and discusses
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> > > >> reproduce the "spackled" look. I don't think all R4-B cabinets were

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> > > >> > From: "Hal Dale wb4aeg@... [DrakeRadio]"
> > > >> > <DrakeRadio@yahoogroups.com>
> > > >> > To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
> > > >> > Sent: Friday, March 16, 2018 9:16:11 AM
> > > >> > Subject: Re: [DrakeRadio] Cabinet paint
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43758. Re: [DrakeRadio] Cabinet paint

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 16:19:38 UTC
From: VE7PS
Topic: 43742 Message: 43758

Indeed, if the paint is not in stock at the shop, there is about a $600 charge for setup, mostly of which goes to purchase of the box of powder. My shop uses that black flat texture colour all the time so they always have it in stock - therefore no setup charge. The also have the non-textured colour in stock, but they have warned me that is it is a very dull finish, unlike the textured version, which has a perfect sheen for the B-line and later finishes. If I find the right project some day, I am going to try that flat, non-textured paint on the earlier Drakes, just to see for myself.

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>> From: "VE7PS ve7ps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
>> To: DrakeRadio@yahoogroups.com
>> Sent: Friday, March 16, 2018 10:52:07 AM
>> Subject: Re: [DrakeRadio] Cabinet paint
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>> More on the Drake Paint...
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>> The paint we use is *Axzo Nobel****Textra Black Sand****31-7091.
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>>>>>>>> From: "wb4aeg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
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>>
>>
>> ---
>> This email has been checked for viruses by AVG.
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>>

43759. RE: [DrakeRadio] Yahoo Groups Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 16:22:23 UTC
From: Jim Shorney
Topic: 43733 Message: 43759

I tend to agree. I see people freaking out over system issues that happen from time to time but evenually get sorted out, combined with unsubstantiated rumors. Don't move, but keep good backups.

73

-Jim
NU0C

On Fri, 16 Mar 2018 08:40:39 -0700, Joe w7rkn.7@... [DrakeRadio] wrote:

>Time to weigh in on moving the group:
>
>I am against the idea for now. Several reasons, so I will explain.
>
>First and foremost, Moving to IO is **NOT** as fool proof and some would
>lead us to believe. I am a member of one, non-radio affiliated group, that
>made the move and lost everything...10 years of files, messages, etc. All
>is not rosy in the 'garden'!
>
>Secondly, I have little love for the individual who started the IO group,
>who claims he started Yahoogroups. He did not. (Look up the history of
>YahooGroups and the merging of various mail groups to create eGroups,
>mainly from Scott Hassan's FindMail mail group in 1997. In mid 1998,
>FindMail was officially renamed eGroups.
>The guy who started IO groups, Mark Fletcher, who claimed he started
>eGroups, had a mail group called ONElist, which was absorbed (Polite term
>'merged') by eGroups in 2000 . In late 2000 eGroups was purchased by Yahoo.
>(Making Scott and partners VERY wealthy!!)
>
>OK, how do I know all this? Well...I was a part of it, from the beginning.
>
>Mark Fletcher had nothing to do with the formation of eGroups, nee,
>YahooGroups. I simply don't trust the man who lies about his involvement
>with the original Groups. What *isn't* he telling us about his IO group?
>Hmmmmm......
>
>OK, Thirdly. IO won't last. Simple economics will dictate that. They just
>don't have the server capability to maintain the level of users, files, etc.
>That Yahoo/Verizon has. As more specialty groups move to IO, their servers
>will start to experience major overloads and slowdowns as well as system
>wide shutdowns. As I am in the mainframe business, it is painfully clear to
>me what will happen.
>
>Lastly: Right now there is an alarmist crying/warning about the downfall of
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>The other major ham related group I own, HeathKit_HFAmps, has not
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>That said, I ***AM*** going to start backing up all our files and
>attachments to on-site storage, here in my office, on a dedicated hard
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>
>I am also going to start looking for an individual here in the DrakeRadio
>Group to appoint as a moderator. This is too important a group to be
>run/controlled by 1 person. Garey knew this when he made me a co-owner, way
>back when. I am now in his shoes, administrating wise, as he was. (Just
>wish I had his knowledge of Drakes!)
>
>That's it. I am not going to rush into changing groups. Too soon. I hope
>everyone understands where I am coming from.
>
>Thanks for bearing with me!
>
>Joe Wolfe - W7RKN

--
There are 10 types of people in this world -- those who understand binary
and those who don't.

43760. Re: [DrakeRadio] Cabinet paint

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 16:27:33 UTC
From: Barry
Topic: 43742 Message: 43760

My biggest problem with cabinet painting is stripping the old paint. I don't have the means to dip-strip so a lot of hand work goes into the process. Large, flat, outer surfaces are pretty easy, but the insides, in corners, etc., get pretty time-consuming.

I recently acquired an air compressor and have bought the supplies to try soda-blasting. I plan to try that very soon on the MS-4 I'm refinishing. The videos make it look sooooo easy... We'll see.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "VE7PS" <ve7ps@...>
> To: "Barry" <n4buq@...>, DrakeRadio@yahoogroups.com
> Sent: Friday, March 16, 2018 11:19:38 AM
> Subject: Re: [DrakeRadio] Cabinet paint
>
> Indeed, if the paint is not in stock at the shop, there is about a $600
> charge for setup, mostly of which goes to purchase of the box of
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> >>>>>
> >>>
> >>
> >>
> >> ---

> >> This email has been checked for viruses by AVG.
> >> http://www.avg.com
> >>
>
>

43761. Drake 4B Station For Sale

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 16:36:28 UTC
From: Moe Fretz
Topic: 43761 Message: 43761

Vintage Drake Ham Radio Station. $400.00 USD

For sale.
T-4XB --TX
R-4B --RX
MS-4 Speaker and power supply,
Dummy load and Low pass filter.
Complete cable set.

Spare tube set, including 6JB6A finals.
Fully functional station.
But not been used on air in 5 years
Cleaning & adjustment will be needed.
Some scratches on cabinets.

Estate of SK.
Sold as is.

If not sold, will be shown at
Pickering Hamfest on April 28th.

https://durhamhamfest.com/

Email me for pictures.

tubetester at gmail dot com

Thanks

$-------&
Moe Fretz

Cambridge
Ontario, Canada

43762. TR3 Reconditioning

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 16:45:27 UTC
From: Thomas Thomson
Topic: 43762 Message: 43762

I recently received a very nice TR3 and wonder who works on these. I would like to have it gone over by someone in the knowbefore putting it on the air. I bought it to use in my camper this summer. It looks very good with no apparent problems. But...
Tom Thomson, W9CHPw9chp@...

43763. Re: [DrakeRadio] Yahoo Groups Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 16:54:35 UTC
From: Steve Wedge
Topic: 43733 Message: 43763

Joe, your well-reasoned argument, bolstered with pertinent facts, makes me comfortable with staying for now. I do believe that file backup is key so that, no matter what happens down the road, we don't lose the years of knowledge from Garey and the rest of us that have accumulated.

I do think that Yahoo has become marginalised but it's still alive for now.

BTW, sort of related to this, I replied to a potential client the other day who still has a Netscape address! The vestiges of the old players are still to be found in little nooks and crannies :-)

73,

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Fri, Mar 16, 2018 at 12:22 PM, 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
>
> I tend to agree. I see people freaking out over system issues that happen
> from
> time to time but evenually get sorted out, combined with unsubstantiated
> rumors. Don't move, but keep good backups.
>
> 73
>
> -Jim
> NU0C
>
>
> On Fri, 16 Mar 2018 08:40:39 -0700, Joe w7rkn.7@gmail.com [DrakeRadio]
> wrote:
>
> >Time to weigh in on moving the group:
> >
> >I am against the idea for now. Several reasons, so I will explain.
> >
> >First and foremost, Moving to IO is **NOT** as fool proof and some would
> >lead us to believe. I am a member of one, non-radio affiliated group, that
> >made the move and lost everything...10 years of files, messages, etc. All
> >is not rosy in the 'garden'!
> >
> >Secondly, I have little love for the individual who started the IO group,

> >who claims he started Yahoogroups. He did not. (Look up the history of
> >YahooGroups and the merging of various mail groups to create eGroups,
> >mainly from Scott Hassan's FindMail mail group in 1997. In mid 1998,
> >FindMail was officially renamed eGroups.
> >The guy who started IO groups, Mark Fletcher, who claimed he started
> >eGroups, had a mail group called ONElist, which was absorbed (Polite term
> >'merged') by eGroups in 2000 . In late 2000 eGroups was purchased by
> Yahoo.
> >(Making Scott and partners VERY wealthy!!)
> >
> >OK, how do I know all this? Well...I was a part of it, from the beginning.
> >
> >Mark Fletcher had nothing to do with the formation of eGroups, nee,
> >YahooGroups. I simply don't trust the man who lies about his involvement
> >with the original Groups. What *isn't* he telling us about his IO group?
> >Hmmmmm......
> >
> >OK, Thirdly. IO won't last. Simple economics will dictate that. They just
> >don't have the server capability to maintain the level of users, files,
> etc.
> >That Yahoo/Verizon has. As more specialty groups move to IO, their servers
> >will start to experience major overloads and slowdowns as well as system
> >wide shutdowns. As I am in the mainframe business, it is painfully clear
> to
> >me what will happen.
> >
> >Lastly: Right now there is an alarmist crying/warning about the downfall
> of
> >Yahoo, (Verizon) etc. Candidly, these past 4 days have been the first time
> >we here in the DrakeRadio group have experienced any major inconveniences.
> >The other major ham related group I own, HeathKit_HFAmps, has not
> >experienced any issues yet, and hopefully, we won't.
> >
> >That said, I ***AM*** going to start backing up all our files and
> >attachments to on-site storage, here in my office, on a dedicated hard
> >drive.
> >
> >I am also going to start looking for an individual here in the DrakeRadio
> >Group to appoint as a moderator. This is too important a group to be
> >run/controlled by 1 person. Garey knew this when he made me a co-owner,
> way
> >back when. I am now in his shoes, administrating wise, as he was. (Just
> >wish I had his knowledge of Drakes!)
> >
> >That's it. I am not going to rush into changing groups. Too soon. I hope
> >everyone understands where I am coming from.
> >
> >Thanks for bearing with me!
> >
> >Joe Wolfe - W7RKN

>
> --
> There are 10 types of people in this world -- those who understand binary
> and those who don't.
>
>
>

43764. Re: [DrakeRadio] Drake AC-4/MS-4

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 16:54:30 UTC
From: Howard Traxler
Topic: 43682 Message: 43764

I didn't see the message that was looking for one; but I have two of that combination. One goes with a C line and the other is extra. The two AC-4s have the "Mike Brice" rebuild kit installed.

I really don't know what to ask for these items; perhaps someone could suggest.

Thanks anybody.

Howard, WA9RYF
----- Original Message -----
From: Barry n4buq@... [DrakeRadio]
To: DrakeRadio users group
Sent: Wednesday, March 14, 2018 9:19 PM
Subject: [DrakeRadio] Drake AC-4/MS-4

I think someone was looking for a good AC-4 recently:

https://www.ebay.com/itm/162942107343

Not mine. Don't know the seller. Etc., etc.

Thanks,
Barry - N4BUQ

43765. Re: [DrakeRadio] Drake AC-4/MS-4

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 17:06:07 UTC
From: George Cortez
Topic: 43682 Message: 43765

I never get rid of power supplies. I must have at least 10 AC4's DC4's, Heathkits and Collins PS's. I gues I hoard heavy metal...George NE2I

On Friday, March 16, 2018, 11:54:57 AM CDT, 'Howard Traxler' howard@traxlerenterprises.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

☐
I didn't see the message that was looking for one; but I have two of that combination. One goes with a C line and the other is extra. The two AC-4s have the "Mike Brice" rebuild kit installed. I really don't know what to ask for these items; perhaps someone could suggest. Thanks anybody. Howard, WA9RYF
----- Original Message ----- From: Barry n4buq@... [DrakeRadio] To: DrakeRadio users group Sent: Wednesday, March 14, 2018 9:19 PM Subject: [DrakeRadio] Drake AC-4/MS-4

I think someone was looking for a good AC-4 recently:

https://www.ebay.com/itm/162942107343

Not mine. Don't know the seller. Etc., etc.

Thanks,
Barry - N4BUQ

43766. Re: [DrakeRadio] Cabinet paint

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 17:21:40 UTC
From: Paul Kraemer
Topic: 43742 Message: 43766

Barry
It is and isn't soooo easy.
You have to strip the paint anyway to start before putting it in blaster otherwise you will contaminate blast with paint particles and go through a lot of blast media and do a lot of cleaning the system.
That is the way it is on the industrial one I use. But it does make a primo finish to prime and paint.
There is no perfect easy way and no free lunch stripping sheet metal. Heavy iron yes. Sheet metal no.
Paul

-----Original Message-----
From: Barry n4buq@... [DrakeRadio]
Sent: Friday, March 16, 2018 11:27 AM
To: VE7PS
Cc: DrakeRadio@yahoogroups.com
Subject: Re: [DrakeRadio] Cabinet paint

My biggest problem with cabinet painting is stripping the old paint. I don't have the means to dip-strip so a lot of hand work goes into the process. Large, flat, outer surfaces are pretty easy, but the insides, in corners, etc., get pretty time-consuming.

I recently acquired an air compressor and have bought the supplies to try soda-blasting. I plan to try that very soon on the MS-4 I'm refinishing. The videos make it look sooooo easy... We'll see.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "VE7PS" <ve7ps@...>
> To: "Barry" <n4buq@...>, DrakeRadio@yahoogroups.com
> Sent: Friday, March 16, 2018 11:19:38 AM
> Subject: Re: [DrakeRadio] Cabinet paint
>
> Indeed, if the paint is not in stock at the shop, there is about a $600
> charge for setup, mostly of which goes to purchase of the box of
> powder. My shop uses that black flat texture colour all the time so
> they always have it in stock - therefore no setup charge. The also have
> the non-textured colour in stock, but they have warned me that is it is
> a very dull finish, unlike the textured version, which has a perfect
> sheen for the B-line and later finishes. If I find the right project
> some day, I am going to try that flat, non-textured paint on the earlier
> Drakes, just to see for myself.
>

> 73
> Peter
> VE7PS
>
> On 3/16/2018 9:04 AM, Barry wrote:
> > The local powder-coating business has a pretty high minimum charge. I
> > had
> > some R-390A front panels done and those turned out pretty nice but just
> > can't justify their minimum anymore.
> >
> > I prefer the Rustoleum to Krylon. Properly stripped, sanded, primed,
> > coated, and baked, it makes for a very nice finish (albeit, I haven't
> > tried the textured trick yet).
> >
> > Thanks,
> > Barry - N4BUQ
> >
> > ----- Original Message -----
> >> From: "VE7PS ve7ps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> >> To: DrakeRadio@yahoogroups.com
> >> Sent: Friday, March 16, 2018 10:52:07 AM
> >> Subject: Re: [DrakeRadio] Cabinet paint
> >>
> >> More on the Drake Paint...
> >>
> >> Yes, the 1-A, and 2-A series had smooth finish cabinets. The 2-C
> >> series
> >> had the spatter finish like the 4B line and later.
> >>
> >> On a personal note, I have moved away from using the Krylon rattle
> >> cans. I was never completely happy with the outcome, especially after
> >> they changed the number from just plain 1613. It may just be my
> >> imagination, but now seems too dull a finish compared to the
> >> originals..
> >>
> >> I now have my 4-line spatter-look cabinets powder coated by a paint
> >> shop
> >> about 2 hours drive from me. The price is too low not to, and the
> >> results, for me, have been much more satisfying. The textured finish
> >> ends up looking more like that of the later TR-7's, after Drake stopped
> >> using the 3M sticky paint, and the colour and sheen is an almost
> >> perfect
> >> match to the post-production replacement BLACK 7-line cabinets Drake
> >> sold for a while.
> >>
> >> I have provided a link (it's a large file) to a picture of a C-line
> >> with
> >> a very good *ORIGINAL **PAINT *R-4C, sandwiched between a powder coated
> >> MS-4 and T-4XC. Close-up you can tell the difference in the finish,
> >> but

> >> you can't, or at least I can't, from 3' away. Zoom in for a close
> >> look.
> >>
> >> https://www.dropbox.com/s/060a4ziq4liufpp/IMG_1697.JPG?dl=0
> >>
> >> The paint we use is *Axzo Nobel****Textra Black Sand****31-7091.
> >>
> >> *According to my paint shop, it is very commonly available in the US.*
> >>
> >> *73,
> >>
> >> Peter
> >> VE7PS*
> >> **
> >> *
> >> On 3/16/2018 8:03 AM, Barry n4buq@... [DrakeRadio] wrote:
> >>> The 2Bs were smooth and I presume the 1As and 2As were as well. I
> >>> don't know about the 2Cs.
> >>>
> >>> I think some MS-4 cabinets were smooth and some were textured (presume
> >>> early/late determined that). I have a textured MS-4 that needs
> >>> repainting and is going to become a smooth MS-4 to match my early TR-4
> >>> that I painted (the top).
> >>>
> >>> Thanks,
> >>> Barry - N4BUQ
> >>>
> >>>> I've used the Krylon Satin Black with and without the additional
> >>> drilled-out
> >>>> nozzle and have had good results.
> >>>>
> >>>> The A-Line, TR-3's and early TR-4's have the non-textured cabinets.
> >>> Every
> >>>> B-Line and later I've ever seen that wasn't Frankensteined has the
> >>> textured
> >>>> finish.
> >>>>
> >>>> Steve Wedge, W1ES/4
> >>>>
> >>>> Sent from my iPhone - the typos have been generated by highly
> >>> sophisticated
> >>>> software.
> >>>>
> >>>>> On Mar 16, 2018, at 10:26, Frank Barnes fbw4npn@...
> >>>>> [DrakeRadio]
> >>>>> <DrakeRadio@yahoogroups.com> wrote:
> >>>>>
> >>>>> Any suggestions for cabinet paint for a TX4-C?
> >>>>> Frank
> >>>>> W4NPN

> >>>>>
> >>>>>> On Fri, Mar 16, 2018 at 10:23 AM, Barry n4buq@...
> >>> [DrakeRadio]
> >>>>>> <DrakeRadio@yahoogroups.com> wrote:
> >>>>>>
> >>>>>> There's an article titled "CABINET REPAINTING BASICS" here:
> >>>>>> http://www.wb4hfn.com/DRAKE/
> >>>>>>
> >>>>>> That article recommends Krylon #51613 Satin Black and discusses
> >>> how to
> >>>>>> reproduce the "spackled" look. I don't think all R4-B cabinets were
> >>>>>> textured that way so you may not have to do that part.
> >>>>>>
> >>>>>> I've had good results with Rustoleum Satin Black for the 2B and TR4
> >>>>>> (non-textured).
> >>>>>>
> >>>>>> Thanks,
> >>>>>> Barry - N4BUQ
> >>>>>>
> >>>>>> ----- Original Message -----
> >>>>>>> From: "Hal Dale wb4aeg@... [DrakeRadio]"
> >>>>>>> <DrakeRadio@yahoogroups.com>
> >>>>>>> To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
> >>>>>>> Sent: Friday, March 16, 2018 9:16:11 AM
> >>>>>>> Subject: Re: [DrakeRadio] Cabinet paint
> >>>>>>>
> >>>>>>> R4B
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>> ---- On Fri, 16 Mar 2018 10:13:17 -0400 Barry n4buq@...
> >>>>>>> [DrakeRadio]
> >>>>>>> <DrakeRadio@yahoogroups.com> wrote ----
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>> I think you may want to be more specific as to which cabinet.
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>> Thanks,
> >>>>>>>
> >>>>>>> Barry - N4BUQ
> >>>>>>>
> >>>>>>>
> >>>>>>>

> >>>>>>> ----- Original Message -----
> >>>>>>>
> >>>>>>>> From: "wb4aeg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> >>>>>>>> To: DrakeRadio@yahoogroups.com
> >>>>>>>> Sent: Friday, March 16, 2018 9:11:13 AM
> >>>>>>>> Subject: [DrakeRadio] Cabinet paint
> >>>>>>>> hat is the recommended paint for Drake cabinets? Hal/WB4AEG
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>
> >>>>>
> >>>>> --
> >>>>> Frank Barnes
> >>>>> W4NPN
> >>>>> Chapel Hill, NC
> >>>>> Grid Square FM05
> >>>>> Cell 919.260.7955
> >>>>>
> >>>
> >>
> >>
> >> ---
> >> This email has been checked for viruses by AVG.
> >> http://www.avg.com
> >>
>
>

Posted by: Barry <n4buq@...>

Yahoo Groups Links

43767. Follow up pictures for 4B

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 17:22:02 UTC
From: Moe Fretz
Topic: 43767 Message: 43767
Attachments: 10 described; binary payloads are missing from this source WARC

$-------&
Moe Fretz

Cambridge
Ontario, Canada

43768. More of 4B

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 17:31:27 UTC
From: Moe Fretz
Topic: 43768 Message: 43768
Attachments: 15 described; binary payloads are missing from this source WARC

Not sure which PS is in the case could open up this weekend if interested.
Copper plating in good shape, with a bit of discolouration in spots.
Original manuals with serial number matching registration cards.
Both S/N ending in "G"

More questions? ---> ask

Willing to meet at Fort Erie -- Buffalo crossing, 3 hours for me.

$-------&
Moe Fretz

Cambridge
Ontario, Canada

43769. Re: [DrakeRadio] Yahoo Groups Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 17:30:50 UTC
From: Jeffrey Angus
Topic: 43733 Message: 43769

On 3/16/18 10:40 AM, Joe w7rkn.7@... [DrakeRadio] wrote:
> That's it. I am not going to rush into changing groups.
> Too soon. I hope everyone understands where I am coming from.
Thank you.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43770. Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 17:42:54 UTC
From: Paul K.
Topic: 43717 Message: 43770

Yes! I agree. Time to move to groups.io

Much better service and easy to use.

73

PK

--
Paul K. WA0BAG

43771. Re: [DrakeRadio] Yahoo Groups Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 17:52:25 UTC
From: Jim Low man
Topic: 43733 Message: 43771

Hi Joe,

Very interesting points!

I’m seeing some interest in moving the QRP-L list to groups.io from QTH.net

Let’s face it-the Mailman software is getting long in the tooth. However, it is stable and we’ve had relatively few problems over a span of ten or so years.

The few who are in favor of the move are mainly looking at the multimedia aspects of groups.io
So that they can post photos, schematics and the like.

As usual, a few have spoken up on either side of the issue. Out of 2,700+ members, it’s hardly a statistical majority. In a way, I take the silence of the masses to say that, “If it ain’t broke...”

One thing that I found out about groups.io was that one GB of storage is provided, with anything over that presumably at a cost. Reasonable on their part, but I can see that storage filling up quickly with the number of members we have.

May I quote your message to the members of the list? I don’t think that the changeover is inevitable, but we should all be informed.

On another subject, I would be proud to take over Garey’s role as moderator/co-owner. I am the owner of the K1_Builders group on Yahoogroups, so I’m familiar with the mechanics of that forum.

73 de Jim-AD6CW

>>
>>
>> On Fri, 16 Mar 2018 08:40:39 -0700, Joe w7rkn.7@... [DrakeRadio] wrote:
>>
>> >Time to weigh in on moving the group:
>> >
>> >I am against the idea for now. Several reasons, so I will explain.
>> >
>> >First and foremost, Moving to IO is **NOT** as fool proof and some would
>> >lead us to believe. I am a member of one, non-radio affiliated group, that
>> >made the move and lost everything...10 years of files, messages, etc. All
>> >is not rosy in the 'garden'!
>> >
>> >Secondly, I have little love for the individual who started the IO group,
>> >who claims he started Yahoogroups. He did not. (Look up the history of
>> >YahooGroups and the merging of various mail groups to create eGroups,
>> >mainly from Scott Hassan's FindMail mail group in 1997. In mid 1998,

>> >FindMail was officially renamed eGroups.
>> >The guy who started IO groups, Mark Fletcher, who claimed he started
>> >eGroups, had a mail group called ONElist, which was absorbed (Polite term
>> >'merged') by eGroups in 2000 . In late 2000 eGroups was purchased by Yahoo.
>> >(Making Scott and partners VERY wealthy!!)
>> >
>> >OK, how do I know all this? Well...I was a part of it, from the beginning.
>> >
>> >Mark Fletcher had nothing to do with the formation of eGroups, nee,
>> >YahooGroups. I simply don't trust the man who lies about his involvement
>> >with the original Groups. What *isn't* he telling us about his IO group?
>> >Hmmmmm......
>> >
>> >OK, Thirdly. IO won't last. Simple economics will dictate that. They just
>> >don't have the server capability to maintain the level of users, files, etc.
>> >That Yahoo/Verizon has. As more specialty groups move to IO, their servers
>> >will start to experience major overloads and slowdowns as well as system
>> >wide shutdowns. As I am in the mainframe business, it is painfully clear to
>> >me what will happen.
>> >
>> >Lastly: Right now there is an alarmist crying/warning about the downfall of
>> >Yahoo, (Verizon) etc. Candidly, these past 4 days have been the first time
>> >we here in the DrakeRadio group have experienced any major inconveniences.
>> >The other major ham related group I own, HeathKit_HFAmps, has not
>> >experienced any issues yet, and hopefully, we won't.
>> >
>> >That said, I ***AM*** going to start backing up all our files and
>> >attachments to on-site storage, here in my office, on a dedicated hard
>> >drive.
>> >
>> >I am also going to start looking for an individual here in the DrakeRadio
>> >Group to appoint as a moderator. This is too important a group to be
>> >run/controlled by 1 person. Garey knew this when he made me a co-owner, way
>> >back when. I am now in his shoes, administrating wise, as he was. (Just
>> >wish I had his knowledge of Drakes!)
>> >
>> >That's it. I am not going to rush into changing groups. Too soon. I hope
>> >everyone understands where I am coming from.
>> >
>> >Thanks for bearing with me!
>> >
>> >Joe Wolfe - W7RKN
>>
>> --
>> There are 10 types of people in this world -- those who understand binary
>> and those who don't.
>>
>
>
>

>

43772. TR-7 RECEIVE ANTENNA

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 18:07:54 UTC
From: <todd@...>
Topic: 43772 Message: 43772

i was wondering if anyone can give me some advice on using different antennas for receive and transmit on my TR-7.
On 40m I can hear stations better on my G5RV but get better transmit signal reports on my 40m dipole. I think the dipole picks up more noise and the TR-7 AGC turns the receiver gain down so I don't hear stations as well. I thought about connecting? the G5RV to the receive antenna jack on the back of the TR-7 and the dipole to the regular antenna on the back of the TR-7. Any advice on this would be appreciated. 73,? Todd? K1TOD? email: todd@...

43773. Re: [DrakeRadio] Yahoo Groups Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 18:10:36 UTC
From: Jim Low man
Topic: 43733 Message: 43773

BTW, I'm considering moving the drake@... list to either Yahoogroups or groups.

There's almost no activity, and it has become a spam magnet. I get so many bogus membership requests each day that I've begun to delete them with no action.

Would you be open to merging that list with your group? I've asked the question of deleting the list before and a small number of members want to keep it, but yet there's no activity. I may make a unilateral move at any rate.

73 de Jim-AD6CW

> On Mar 16, 2018, at 10:52 AM, Jim Low man jmlowman@sbcglobal.net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
>
> Hi Joe,
>
> Very interesting points!
>
> I'm seeing some interest in moving the QRP-L list to groups.io from QTH.net
>
> Let's face it-the Mailman software is getting long in the tooth. However, it is stable and we've had relatively few problems over a span of ten or so years.
>
> The few who are in favor of the move are mainly looking at the multimedia aspects of groups.io
> So that they can post photos, schematics and the like.
>
> As usual, a few have spoken up on either side of the issue. Out of 2,700+ members, it's hardly a statistical majority.. In a way, I take the silence of the masses to say that, "If it ain't broke..."
>
> One thing that I found out about groups.io was that one GB of storage is provided, with anything over that presumably at a cost. Reasonable on their part, but I can see that storage filling up quickly with the number of members we have.
>
> May I quote your message to the members of the list? I don't think that the changeover is inevitable, but we should all be informed.
>
> On another subject, I would be proud to take over Garey's role as moderator/co-owner. I am the owner of the K1_Builders group on Yahoogroups, so I'm familiar with the mechanics of that forum.
>
> 73 de Jim-AD6CW

>
>
>>>
>>>
>>> On Fri, 16 Mar 2018 08:40:39 -0700, Joe w7rkn.7@... [DrakeRadio] wrote:
>>>
>>> >Time to weigh in on moving the group:
>>> >
>>> >I am against the idea for now. Several reasons, so I will explain.
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>>> >First and foremost, Moving to IO is **NOT** as fool proof and some would
>>> >lead us to believe. I am a member of one, non-radio affiliated group, that
>>> >made the move and lost everything...10 years of files, messages, etc. All
>>> >is not rosy in the 'garden'!
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>>> >Secondly, I have little love for the individual who started the IO group,
>>> >who claims he started Yahoogroups. He did not. (Look up the history of
>>> >YahooGroups and the merging of various mail groups to create eGroups,
>>> >mainly from Scott Hassan's FindMail mail group in 1997. In mid 1998,
>>> >FindMail was officially renamed eGroups.
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>>> >eGroups, had a mail group called ONElist, which was absorbed (Polite term
>>> >'merged') by eGroups in 2000 . In late 2000 eGroups was purchased by Yahoo.
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>>> >OK, how do I know all this? Well...I was a part of it, from the beginning.
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>>> >Mark Fletcher had nothing to do with the formation of eGroups, nee,
>>> >YahooGroups. I simply don't trust the man who lies about his involvement
>>> >with the original Groups. What *isn't* he telling us about his IO group?
>>> >Hmmmmm......
>>> >
>>> >OK, Thirdly. IO won't last. Simple economics will dictate that. They just
>>> >don't have the server capability to maintain the level of users, files, etc.
>>> >That Yahoo/Verizon has. As more specialty groups move to IO, their servers
>>> >will start to experience major overloads and slowdowns as well as system
>>> >wide shutdowns. As I am in the mainframe business, it is painfully clear to
>>> >me what will happen.
>>> >
>>> >Lastly: Right now there is an alarmist crying/warning about the downfall of
>>> >Yahoo, (Verizon) etc. Candidly, these past 4 days have been the first time
>>> >we here in the DrakeRadio group have experienced any major inconveniences.
>>> >The other major ham related group I own, HeathKit_HFAmps, has not
>>> >experienced any issues yet, and hopefully, we won't.
>>> >
>>> >That said, I ***AM*** going to start backing up all our files and
>>> >attachments to on-site storage, here in my office, on a dedicated hard
>>> >drive.
>>> >
>>> >I am also going to start looking for an individual here in the DrakeRadio

>>> >Group to appoint as a moderator. This is too important a group to be
>>> >run/controlled by 1 person. Garey knew this when he made me a co-owner, way
>>> >back when. I am now in his shoes, administrating wise, as he was. (Just
>>> >wish I had his knowledge of Drakes!)
>>> >
>>> >That's it. I am not going to rush into changing groups. Too soon. I hope
>>> >everyone understands where I am coming from.
>>> >
>>> >Thanks for bearing with me!
>>> >
>>> >Joe Wolfe - W7RKN
>>>
>>> --
>>> There are 10 types of people in this world -- those who understand binary
>>> and those who don't.
>>>
>>
>
>
>

43774. Yahoo Groups

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 18:57:08 UTC
From: Bob DeHaney
Topic: 42015 Message: 43774

Here is what's causing moves to groups.io:

Re: Is Yahoo Groups Still Being Supported?
As @Jim_Jam from Yahoo said recently, "Yahoo Groups is no longer a supported product and hasn't been for years. long before the Yahoo/Verizon acquisition." See this post.

Jim Jam also said in the same post, "Our services are not broken and are maintained and updated on a daily basis."

Based on Jim Jam's statement and information available on the uservoice forum for Groups and on the defunct Yahoo Groups Blog, it seems that the software maintenance period for Groups ended suddenly sometime between October 17th and October 26th of 2014. Customer Support for Groups came to an end in the summer of 2016, although Yahoo has responded sporadically (and mostly ineffectively) since then.

You can read the entire entry here:
https://forums.yahoo.net/t5/Groups/Is-Yahoo-Groups-Still-Being-Supported/td-p/429783

So that's why I started this.

Vy 73 de Bob DJ0RD/WU5T

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

43775. RE: [DrakeRadio] Yahoo Groups

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 19:09:36 UTC
From: Joe
Topic: 42015 Message: 43775

Bunk!

We had an issue here. After 3 days, I contacted an old friend, who still has connections in all the right places. Whether coincident or not, within 12 hours of my friend's involvement, we were back.

IMNSHO, YahooGroups is still being supported.

****

An update on my previous post about the problem we had: I have just ordered a very large, Western Digital NAS RED, drive, to start backing up files and attachments. I will attempt to save as many posts as possible, going back as far as I can. I will keep everyone posted on my progress to protect this group.

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Yahoo Groups

Here is what's causing moves to groups.io:

Re: Is Yahoo Groups Still Being Supported?
As @Jim_Jam from Yahoo said recently, "Yahoo Groups is no longer a supported product and hasn't been for years. long before the Yahoo/Verizon acquisition." See this post.

Jim Jam also said in the same post, "Our services are not broken and are maintained and updated on a daily basis."

Based on Jim Jam's statement and information available on the uservoice forum for Groups and on the defunct Yahoo Groups Blog, it seems that the software maintenance period for Groups ended suddenly sometime between October 17th and October 26th of 2014. Customer Support for Groups came to an end in the summer of 2016, although Yahoo has responded sporadically (and mostly ineffectively) since then.

You can read the entire entry here:
https://forums.yahoo.net/t5/Groups/Is-Yahoo-Groups-Still-Being-Supported/td-p/429783

So that's why I started this.

Vy 73 de Bob DJ0RD/WU5T

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

Posted by: "Bob DeHaney" <bobdehaney@...>

Yahoo Groups Links

43776. Re: [DrakeRadio] Yahoo Groups

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 19:10:14 UTC
From: Michael Cooley
Topic: 42015 Message: 43776

Ahhh...what would life be like without double-talk and marketing-speak? I love this stuff...
MikeW7KWQ
On Friday, March 16, 2018, 12:02:15 PM PDT, 'Bob DeHaney' bobdehaney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Here is what's causing moves to groups.io:

Re: Is Yahoo Groups Still Being Supported?
As @Jim_Jam from Yahoo said recently, "Yahoo Groups is no longer a supported product and hasn't been for years. long before the Yahoo/Verizon acquisition." See this post.

Jim Jam also said in the same post, "Our services are not broken and are maintained and updated on a daily basis."

Based on Jim Jam's statement and information available on the uservoice forum for Groups and on the defunct Yahoo Groups Blog, it seems that the software maintenance period for Groups ended suddenly sometime between October 17th and October 26th of 2014. Customer Support for Groups came to an end in the summer of 2016, although Yahoo has responded sporadically (and mostly ineffectively) since then.

You can read the entire entry here:
https://forums.yahoo.net/t5/Groups/Is-Yahoo-Groups-Still-Being-Supported/td-p/429783

So that's why I started this.

Vy 73 de Bob DJ0RD/WU5T

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

43777. RE: [DrakeRadio] Yahoo Groups Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 19:17:38 UTC
From: Joe
Topic: 43733 Message: 43777

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Yahoo Groups Problem

May I quote your message to the members of the list? I don’t think that the changeover is inevitable, but we should all be informed.

By all means, spread the word. Please keep in mind, I am only concerned with my 2 ham groups. Each and every owner/moderator has to decide for his or her own group. My reasons are valid, and my information is easily verified on the internet, so will be very difficult to refute.

I do have other thoughts and insights about the IO group, but I won’t go into that at this time, simply because it is not critical info, at this time, and they are strictly opinions, based on years of experience in the knowledge highway!

On another subject, I would be proud to take over Garey’s role as moderator/co-owner. I am the owner of the K1_Builders group on Yahoogroups, so I’m familiar with the mechanics of that forum.

K1, as in Elecraft?

73 de Jim-AD6CW

43778. Re: [DrakeRadio] Yahoo Groups

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 19:11:39 UTC
From: Michael Cooley
Topic: 42015 Message: 43778

Oh: Bob, I meant that last comment as a jab at Yahoo, not at you!! I appreciate your information...
Mike
On Friday, March 16, 2018, 12:10:14 PM PDT, Michael Cooley <aw1929@...> wrote:

Ahhh...what would life be like without double-talk and marketing-speak? I love this stuff...
MikeW7KWQ
On Friday, March 16, 2018, 12:02:15 PM PDT, 'Bob DeHaney' bobdehaney@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Here is what's causing moves to groups.io:

Re: Is Yahoo Groups Still Being Supported?
As @Jim_Jam from Yahoo said recently, "Yahoo Groups is no longer a supported product and hasn't been for years. long before the Yahoo/Verizon acquisition." See this post.

Jim Jam also said in the same post, "Our services are not broken and are maintained and updated on a daily basis."

Based on Jim Jam's statement and information available on the uservoice forum for Groups and on the defunct Yahoo Groups Blog, it seems that the software maintenance period for Groups ended suddenly sometime between October 17th and October 26th of 2014. Customer Support for Groups came to an end in the summer of 2016, although Yahoo has responded sporadically (and mostly ineffectively) since then.

You can read the entire entry here:
https://forums.yahoo.net/t5/Groups/Is-Yahoo-Groups-Still-Being-Supported/td-p/429783

So that's why I started this.

Vy 73 de Bob DJ0RD/WU5T

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

43779. Re: [DrakeRadio] Yahoo Groups Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 19:45:32 UTC
From: Jim Low man
Topic: 43733 Message: 43779

Thanks, Joe. I think the discussion may be dying down, anyway.

Yes, as in Elecraft. Hope that’s not a problem.

73 de Jim

> On Mar 16, 2018, at 12:17 PM, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
>
>
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Subject: Re: [DrakeRadio] Yahoo Groups Problem
>
> May I quote your message to the members of the list? I don’t think that the changeover is inevitable, but we should all be informed.
>
> By all means, spread the word. Please keep in mind, I am only concerned with my 2 ham groups. Each and every owner/moderator has to decide for his or her own group. My reasons are valid, and my information is easily verified on the internet, so will be very difficult to refute.
>
> I do have other thoughts and insights about the IO group, but I won’t go into that at this time, simply because it is not critical info, at this time, and they are strictly opinions, based on years of experience in the knowledge highway!
>
> On another subject, I would be proud to take over Garey’s role as moderator/co-owner. I am the owner of the K1_Builders group on Yahoogroups, so I’m familiar with the mechanics of that forum.
>
> K1, as in Elecraft?
>
> 73 de Jim-AD6CW
>
>
>
>
>

43780. Re: [DrakeRadio] Drake 4B Station For Sale

Yahoo group: DrakeRadio (2018)
Date: 2018-03-16 19:58:36 UTC
From: Steve Wedge
Topic: 43761 Message: 43780

Rats. When I saw Durham, I wasn't thinking Ontario :-)

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 16, 2018, at 12:36, Moe Fretz tubetester@gmail.com [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> Vintage Drake Ham Radio Station. $400.00 USD
>
> For sale.
> T-4XB --TX
> R-4B --RX
> MS-4 Speaker and power supply,
> Dummy load and Low pass filter.
> Complete cable set.
>
> Spare tube set, including 6JB6A finals.
> Fully functional station.
> But not been used on air in 5 years
> Cleaning & adjustment will be needed.
> Some scratches on cabinets.
>
> Estate of SK.
> Sold as is.
>
>
> If not sold, will be shown at
> Pickering Hamfest on April 28th.
>
> https://durhamhamfest.com/
>
>
>
> Email me for pictures.
>
> tubetester at gmail dot com
>
>
>
> Thanks
>
>
>
> $-------&

> Moe Fretz
>
> Cambridge
> Ontario, Canada
>

43781. RE: [DrakeRadio] Yahoo Groups

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 01:39:29 UTC
From: Jim Shorney
Topic: 42015 Message: 43781

FWIW this is from "Jim_Jam"''s profile page:

Date Registered ?05-10-2016 07:12 AM
Date Last Visited 5 hours ago
Total Messages Posted 11,321
Total Kudos Received 1585

Obviously prolific, but he hasn't been around very long. I'm skeptical of how much he really knows, and without a real name it's hard to vet him.

73

-Jim
NU0C

On Fri, 16 Mar 2018 12:09:36 -0700, Joe w7rkn.7@... [DrakeRadio] wrote:

>Bunk!
>
>We had an issue here. After 3 days, I contacted an old friend, who still
>has connections in all the right places. Whether coincident or not, within
>12 hours of my friend's involvement, we were back.
>
>IMNSHO, YahooGroups is still being supported.
>
>**********
>
>An update on my previous post about the problem we had: I have just ordered
>a very large, Western Digital NAS RED, drive, to start backing up files and
>attachments. I will attempt to save as many posts as possible, going back
>as far as I can. I will keep everyone posted on my progress to protect this
>group.
>
>Joe - W7RKN
>
>-----Original Message-----
>From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
>Subject: [DrakeRadio] Yahoo Groups
>
>Here is what's causing moves to groups.io:
>
>
> Re: Is Yahoo Groups Still Being Supported?
>As @Jim_Jam from Yahoo said recently, "Yahoo Groups is no longer a supported
>product and hasn't been for years. long before the Yahoo/Verizon
>acquisition." See this post.

>
>Jim Jam also said in the same post, "Our services are not broken and are
>maintained and updated on a daily basis."
>
>Based on Jim Jam's statement and information available on the uservoice
>forum for Groups and on the defunct Yahoo Groups Blog, it seems that the
>software maintenance period for Groups ended suddenly sometime between
>October 17th and October 26th of 2014. Customer Support for Groups came to
>an end in the summer of 2016, although Yahoo has responded sporadically (and
>mostly ineffectively) since then.
>
>You can read the entire entry here:
>https://forums.yahoo.net/t5/Groups/Is-Yahoo-Groups-Still-Being-Supported/td-
>p/429783
>
>So that's why I started this.
>
>Vy 73 de Bob DJ0RD/WU5T
>
>
>---
>This email has been checked for viruses by Avast antivirus software.
>https://www.avast.com/antivirus
>
>
>
>------------------------------------
>Posted by: "Bob DeHaney" <bobdehaney@...>
>------------------------------------
>
>
>------------------------------------
>
>Yahoo Groups Links
>
>
>
>

--
Ham Radio NU0C
Lincoln, Nebraska, U.S.S.A.
TR7/RV7/R7A/L7, TR6/RV6, T4XC/R4C/L4B, NCL2000, SB104A, R390A, GT550A/RV550A, HyGain 3750,
IBM PS/2 - all vintage, all the time!

"Give a man a URL and he will learn for an hour. Teach him to Google and he will learn for
a lifetime."

HyGain 3750 User's Group - http://groups.yahoo.com/group/HyGain_3750/
http://incolor.inetnebr.com/jshorney
http://www.nebraskaghosts.org

43782. Re: [DrakeRadio] RF signal levels for a Drake T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 01:58:41 UTC
From: Robert Coffman
Topic: 43676 Message: 43782

I would love to get a copy as well!Bob Coffman, KJ7AJ

On Thursday, March 15, 2018 8:25 PM, "Curt Nixon captcurt@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

Yes those are EXTREMELY helpful if one is troubleshooting. I began such a table for the TR3 at one time. Since the scope is my most used diagnostic tool, it made sense.

KU8L

On 03/12/18 9:15 PM, ve3fwf@... [DrakeRadio] wrote:

Is there interest in getting a table of RF levels for the Drake T-4XC. I have them in my log book. It took a long time to get these levels as I was troubleshooting a thermal failure.
Garey wanted to get these levels on the Service CD but never got around to doing so. I could also take some scope pictures at some critical test points.
73, Bernie

43783. Re: [DrakeRadio] TR-7 RECEIVE ANTENNA

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 04:20:10 UTC
From: Richard Smith
Topic: 43772 Message: 43783

I can offer the following and only hope it helps.

I live in San Diego, CA. I operate the R7A as my receiver synced with the TR7. My receive antenna is the alternate antenna slot on the R7A. It is a Wellbrook ALA1530S+ IMPERIUM, MAGNETIC BROADBAND ACTIVE LOOP ANTENNA. The main antenna slot on the R7A connects through the radio to the TR7 main antenna, an OCF 80-10m wire. I often compare the alternate and main antennas and have seen some significant improvement in the signal using the Mag Loop☐I'm not sure if the improvement is due to the better R7A receiver or the Mag loop antenna, or both. I suspect it is both.

The TR7 OCF 80-10m wire is a good antenna in transmit and receive but signals do not seem as sensitive in receive. Again, this might be due to differences in the TR7 and R7A receivers. When transmitting I can reach Asia/Australia and Europe on 20 meters. My longest 20m contact was about 6, 500 miles to Valuyki Belgorodskaya Obl, Riussia with a 5-9 report from R5ZZ. Again, this is a stock TR7 at about 140 watts.

I suspect my OCF 80-10m antenna performance might compare reasonably well to the G5RV wire antenna, an antenna I would like to someday connect. I just don't have the real estate. I can't complain about my setup except I am not able to hear or transmit on the 40 m East Coast Drake net. I have to use SDR to follow that discussion.

73

Rich Smith (AI6SS)

From: <DrakeRadio@yahoogroups.com> on behalf of "todd@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Reply-To: <DrakeRadio@yahoogroups.com>, <todd@toddsabin.com>
Date: Friday, March 16, 2018 10:07 AM
To: <drakeradio@yahoogroups.com>
Subject: [DrakeRadio] TR-7 RECEIVE ANTENNA

i was wondering if anyone can give me some advice on using different antennas for receive and transmit on my TR-7.
On 40m I can hear stations better on my G5RV but get better transmit signal reports on my 40m dipole. I think the dipole picks up more noise and the TR-7 AGC turns the receiver gain down so I don't hear stations as well. I thought about connecting the G5RV to the receive antenna jack on the back of the TR-7 and the dipole to the regular antenna on the back of the TR-7. Any advice on this would be appreciated. 73, Todd K1TOD email: todd@...

43784. Re: Follow up pictures for 4B

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 12:26:22 UTC
From: Moe Fretz
Topic: 43767 Message: 43784

Follow up on 4B

Units have been sold.
Thanks K

More stations to follow.
Stay tuned.

$-------&
Moe Fretz

Cambridge
Ontario, Canada

On Fri, Mar 16, 2018 at 1:22 PM, Moe Fretz <tubetester@...> wrote:

>
>
> $-------&
> Moe Fretz
>
> Cambridge
> Ontario, Canada
>

43785. RE: [DrakeRadio] Re: Follow up pictures for 4B

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 14:42:40 UTC
From: Joe
Topic: 43767 Message: 43785

Outstanding! It was a good price.

What else do you have? Any 7 line stuff? (Asking hopefully!) J

Joe W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Re: Follow up pictures for 4B

Follow up on 4B

Units have been sold.

Thanks K

More stations to follow.

Stay tuned.

43786. Re: [DrakeRadio] Re: Follow up pictures for 4B

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 15:00:44 UTC
From: Steve Wedge
Topic: 43767 Message: 43786

L-4, perhaps?

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sat, Mar 17, 2018 at 10:42 AM, Joe w7rkn.7@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Outstanding! It was a good price.
>
>
>
> What else do you have? Any 7 line stuff? (Asking hopefully!) J
>
>
>
> Joe W7RKN
>
>
>
> *From:* DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> *Subject:* [DrakeRadio] Re: Follow up pictures for 4B
>
>
>
>
>
>
>
> Follow up on 4B
>
>
>
> Units have been sold.
>
> Thanks K
>
>
>
> More stations to follow.
>
> Stay tuned.
>
>

>
>

43787. Re: [DrakeRadio] Re: Follow up pictures for 4B

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 15:25:39 UTC
From: Moe Fretz
Topic: 43767 Message: 43787

Sorry no 7 line stuff.
No linear stuff.

2 more 4 series stations: Some books and cables, finals for both.
One for sure is a B, the other not sure.
Picture time when I get home from work.
Let ya know.

Moving out end of July.
25' X 35' needs to be cleaned out.

$-------&
Moe Fretz

Cambridge
Ontario, Canada

43788. Re: tube choices

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 16:19:09 UTC
From: ve3fwf@...
Topic: 43626 Message: 43788

I just received 3 NOS Zenith tubes from vacuum tubes.net which are rebranded Sylvania (exactly identical construction). The tubes even had the same lot numbers.

One of the original tubes in my TR-4 was made by GE and definitely not a Sylvania.

The 3 tubes put out 225 Watts on 40 meters on a TR-4 – not bad

High recommended.

73,Bernie

43789. Re: [DrakeRadio] tube choices

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 16:34:24 UTC
From: Gary Follett
Topic: 43626 Message: 43789

The only issue you should have with ANY 6JB6 would be the height. Some were too tall to leave clearance for the plate cap to the HV cage cover.

Otherwise, I have found all brands to be compatible with Drake radios.

Jut my two cents...

Gary

Sent from my iPad

> On Mar 11, 2018, at 8:30 PM, johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> anybody had any luck with Raytheon finals?
>
>

43791. The World's biggest(?) Drake collection. What now?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 19:46:33 UTC
From: Sindre Torp
Topic: 43791 Message: 43791

Hello everybody!

I'm Sindre, LA6OP in Norway.

I will at a time sooner or later in the future start selling out units from my Drake collection, and only keep a few. It's a big project, and I'm not at all in any hurry. It's mainly thoughts at this stage, and I want to be thinking loud with you.

I have, as you maybe know, one of the most complete Drake-collections in The World. It includes several prototypes (like the L85 power amplifier and TR8 transceiver) and serial # 001 models (like 2-C receiver and TR7 transceiver #xxx1), commercial units and much, much more... Just about everything that Drake have made!

I live in Norway, and the collection is located here. But Worldwide shipping is of no problem for me, but it will be rather expensive for any buyer(s).

At this point I need your help and suggestions of what to do with the collection, how to sell (ebay?), offers/interest in units etc. etc. Your feedbacks are most welcome here on the list or directly to my e-mail sindtorp@... if you prefer to be private. Any whish of privacy will be fully respected.

Thanks for your thoughts and interest.

73,

Sindre, LA6OP

43792. Drake TR4 FS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 20:22:05 UTC
From: RAY FRIESS
Topic: 43792 Message: 43792

Have decided to do some serious downsizing in the shack because my eyes are bigger than the shack (as opposed to my stomach).

So .. I have an excellent condition Drake TR4 I'd like to find a new home for.

I bought this with the intention of putting it on the air, but shortly after I acquired fully operational Drake equipment and this one was set aside.

I've had the unit open for preliminary checks and inspections. I have no reason to believe it can't be put back

on the air in excellent physical and operational conditions.

I don't have a set price in mind, but am willing to negotiate with serious inquirers, and can send pics.

Ray wa7itz

43793. Re: [DrakeRadio] The World's biggest(?) Drake collection. What now?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 20:14:18 UTC
From: Gary Follett
Topic: 43791 Message: 43793

Where are you in Norway?

I am to be in Oslo the next two days.

Gary

W0DVN

Telephone 001-651-485-4012

Sent from my iPad

> On Mar 17, 2018, at 8:46 PM, 'Sindre Torp' sindtorp@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Hello everybody!
>
> I’m Sindre, LA6OP in Norway.
>
> I will at a time sooner or later in the future start selling out units from my Drake collection, and only keep a few. It’s a big project, and I’m not at all in any hurry. It’s mainly thoughts at this stage, and I want to be thinking loud with you.
>
> I have, as you maybe know, one of the most complete Drake-collections in The World. It includes several prototypes (like the L85 power amplifier and TR8 transceiver) and serial #001 models (like 2-C receiver and TR7 transceiver #xxx1), commercial units and much, much more……. Just about everything that Drake have made!
>
> I live in Norway, and the collection is located here. But Worldwide shipping is of no problem for me, but it will be rather expensive for any buyer(s).
>
> At this point I need your help and suggestions of what to do with the collection, how to sell (ebay?), offers/interest in units etc. etc. Your feedbacks are most welcome here on the list or directly to my e-mail sindtorp@... if you prefer to be private. Any whish of privacy will be fully respected.
>
> Thanks for your thoughts and interest.
>
> 73,
>
> Sindre, LA6OP
>
>
>
>

43794. Re: [DrakeRadio] The World's biggest(?) Drake collection. What now?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 21:09:38 UTC
From: armando martins
Topic: 43791 Message: 43794

no I am in UK

On Sat, 17/3/18, Gary Follett dukeshifi@... [DrakeRadio] <DrakeRadio@...m> wrote:

Subject: Re: [DrakeRadio] The World's biggest(?) Drake collection. What now?
To: DrakeRadio@yahoogroups.com, "Sindre Torp" <sindtorp@online.no>
Date: Saturday, 17 March, 2018, 20:14

Where are you in Norway?
I am to be in Oslo the next two
days.
Gary
W0DVN
Telephone 001-651-485-4012

Sent from my
iPad
On Mar 17,
2018, at 8:46 PM, 'Sindre Torp' sindtorp@...
[DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:

Hello
everybody!

I’m
Sindre, LA6OP in Norway.

I will
at a time sooner or later in the
future start selling out units from my Drake collection, and
only keep a few. It’s
a big project, and I’m not at all in any hurry. It’s
mainly
thoughts at this stage, and I want to be thinking loud with
you.

I have,
as you maybe know, one of the most
complete Drake-collections in The World. It includes several
prototypes (like
the L85 power amplifier and TR8 transceiver) and serial #
001 models (like 2-C
receiver and TR7 transceiver #xxx1), commercial units and
much, much
more……. Just about everything that Drake have
made!

I live
in Norway, and the collection is
located here. But Worldwide shipping is of no problem for
me, but it will be
rather expensive for any buyer(s).

At this
point I need your help and suggestions
of what to do with the collection, how to sell (ebay?),
offers/interest in
units etc. etc. Your feedbacks are most welcome here on the
list or directly to
my e-mail sindtorp@...
if you
prefer to be private. Any whish of privacy will be fully
respected.

Thanks
for your thoughts and interest.

73,

Sindre,
LA6OP

43795. Re: [DrakeRadio] The World's biggest(?) Drake collection. What now?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 21:11:12 UTC
From: armando martins
Topic: 43791 Message: 43795

Are from Norway or from USA

On Sat, 17/3/18, Gary Follett dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:

Subject: Re: [DrakeRadio] The World's biggest(?) Drake collection. What now?
To: DrakeRadio@yahoogroups.com, "Sindre Torp" <sindtorp@...>
Date: Saturday, 17 March, 2018, 20:14

Where are you in Norway?
I am to be in Oslo the next two
days.
Gary
W0DVN
Telephone 001-651-485-4012

Sent from my
iPad
On Mar 17,
2018, at 8:46 PM, 'Sindre Torp' sindtorp@online.no
[DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:

Hello
everybody!

I'm
Sindre, LA6OP in Norway.

I will
at a time sooner or later in the
future start selling out units from my Drake collection, and
only keep a few. It's
a big project, and I'm not at all in any hurry. It's
mainly
thoughts at this stage, and I want to be thinking loud with
you.

I have,
as you maybe know, one of the most
complete Drake-collections in The World. It includes several
prototypes (like
the L85 power amplifier and TR8 transceiver) and serial #
001 models (like 2-C
receiver and TR7 transceiver #xxx1), commercial units and
much, much
more……. Just about everything that Drake have

made!

I live
in Norway, and the collection is
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me, but it will be
rather expensive for any buyer(s).

At this
point I need your help and suggestions
of what to do with the collection, how to sell (ebay?),
offers/interest in
units etc. etc. Your feedbacks are most welcome here on the
list or directly to
my e-mail sindtorp@...
if you
prefer to be private. Any whish of privacy will be fully
respected.

Thanks
for your thoughts and interest.

73,

Sindre,
LA6OP

43796. Re: [DrakeRadio] tube choices

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 21:52:27 UTC
From: amfone
Topic: 43626 Message: 43796

Agreed Gary!WB8UHZ

On Saturday, March 17, 2018, 12:34:46 PM EDT, Gary Follett dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

The only issue you should have with ANY 6JB6 would be the height. Some were too tall to leave clearance for the plate cap to the HV cage cover.

Otherwise, I have found all brands to be compatible with Drake radios.
Jut my two cents...
Gary

Sent from my iPad
On Mar 11, 2018, at 8:30 PM, johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

anybody had any luck with Raytheon finals?

43797. Re: [DrakeRadio] The World's biggest(?) Drake collection. What now?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-17 23:12:57 UTC
From: Jim Low man
Topic: 43791 Message: 43797

Hello, Sindre!

I may be interested, depending on what you have for sale.

In the past, I purchased a 2-B from your collection. Later I had to buy another in order to get the 2-BQ; the seller wouldn’t break them up.

I would like to request that you consider advertising any equipment that you want to sell, on this forum first. There is already a good deal of Drake equipment for sale on eBay most of the time.

73 de Jim-AD6CW

>
>> On Mar 17, 2018, at 8:46 PM, 'Sindre Torp' sindtorp@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>> Hello everybody!
>>
>> I’m Sindre, LA6OP in Norway.
>>
>> I will at a time sooner or later in the future start selling out units from my Drake collection, and only keep a few. It’s a big project, and I’m not at all in any hurry. It’s mainly thoughts at this stage, and I want to be thinking loud with you.
>>
>> I have, as you maybe know, one of the most complete Drake-collections in The World. It includes several prototypes (like the L85 power amplifier and TR8 transceiver) and serial # 001 models (like 2-C receiver and TR7 transceiver #xxx1), commercial units and much, much more……. Just about everything that Drake have made!
>>
>> I live in Norway, and the collection is located here. But Worldwide shipping is of no problem for me, but it will be rather expensive for any buyer(s).
>>
>> At this point I need your help and suggestions of what to do with the collection, how to sell (ebay?), offers/interest in units etc. etc. Your feedbacks are most welcome here on the list or directly to my e-mail sindtorp@... if you prefer to be private. Any whish of privacy will be fully respected.
>>
>> Thanks for your thoughts and interest.
>>
>> 73,
>>
>> Sindre, LA6OP
>>
>
>

>

43798. New file uploaded to DrakeRadio

Yahoo group: DrakeRadio (2018)
Date: 2018-03-18 00:05:27 UTC
From: DrakeRadio@yahoogroups.com
Topic: 3736 Message: 43798

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the DrakeRadio
group.

File : /VE3FWF/T-4XC_levels_version_1.0.doc
Uploaded by : bernard.murphy@... <ve3fwf@...>
Description : RF levels for Drake T-4XC transmitter

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/DrakeRadio/files/VE3FWF/T-4XC_levels_version_1.0.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

bernard.murphy@... <ve3fwf@...>

43799. New file uploaded to DrakeRadio

Yahoo group: DrakeRadio (2018)
Date: 2018-03-18 00:06:34 UTC
From: DrakeRadio@yahoogroups.com
Topic: 3736 Message: 43799

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the DrakeRadio
group.

File : /VE3FWF/T-4XC_levels_version_1.0.rtf
Uploaded by : bernard.murphy@... <ve3fwf@...>
Description : RF levels for Drake T-4XC transmitter in RFT format

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/DrakeRadio/files/VE3FWF/T-4XC_levels_version_1.0.rtf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

bernard.murphy@... <ve3fwf@...>

43800. Re: [DrakeRadio] TR-7 RECEIVE ANTENNA

Yahoo group: DrakeRadio (2018)
Date: 2018-03-18 02:08:05 UTC
From: Jim Shorney
Topic: 43772 Message: 43800

On Fri, 16 Mar 2018 11:07:54 -0700, todd@... [DrakeRadio] wrote:

> I thought about connecting the G5RV to the receive antenna jack on the back of the TR-7 and the dipole to the regular antenna on the back of the TR-7.

That would be the way to do it. You could actually connect a pair of short jumpers and an antenna switch between the two jacks and select between the main antenna and any number of auxiliary RX antennas. Note that if your TR-7 has never been used with an R-7 you will have to cut the internal jumper between the two jacks for this to work.

73

-Jim
NU0C

--

"It's an Earth food. They are called Swedish meatballs! It's a strange thing, but every sentient race has its own version of these Swedish meatballs! I suspect it's one of those great universal mysteries which will either never be explained, or which would drive you mad if you ever learned the truth!" - G'Kar, Babylon 5

43801. Re: Drake TR4 FS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-18 03:12:58 UTC
From: RAY FRIESS
Topic: 43792 Message: 43801

Someone had contacted me about the TR 4, but I seem to have lost the email.

Holler again please.

Ray wa7itz

From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of RAY FRIESS rayfrijr@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Saturday, March 17, 2018 2:22 PM
To: DrakeRadio@yahoogroups.com; drakelist@www.zerobeat.net; drake@...
Subject: [DrakeRadio] Drake TR4 FS

Have decided to do some serious downsizing in the shack because my eyes are bigger than the shack (as opposed to my stomach).

So .. I have an excellent condition Drake TR4 I'd like to find a new home for.

I bought this with the intention of putting it on the air, but shortly after I acquired fully operational Drake equipment and this one was set aside.

I've had the unit open for preliminary checks and inspections. I have no reason to believe it can't be put back

on the air in excellent physical and operational conditions.

I don't have a set price in mind, but am willing to negotiate with serious inquirers, and can send pics.

Ray wa7itz

43802. Re: [DrakeRadio] Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-18 13:21:44 UTC
From: William Shadid
Topic: 43717 Message: 43802

I agree - and I would agree for any group to which I belong on Yahoo.
Time to go.

Bill, W9MXQ

On 3/14/2018 1:28 PM, wendy101@... [DrakeRadio] wrote:
>
> Well Yahoo Groups is certainly not getting any better. Emails get sent
> but we don't receive them for hours or even days. I am sending this
> on Tuesday 14 March, 2018 at about 11:30 MST. I think it's time for
> us to get out while we can still transfer all of the data we have in
> Yahoo into another group like, Groups.io. I am a member of another
> group that was with Yahoo and just recently switched to Groups.io and
> everything was transfered and it works great. I have talked with the
> owner of this group and he has moved about 22 groups from Yahoo to
> Groups.io. He said it is not difficult and he is willing to help us if
> we need it. Your thoughts?
>
> Al, n7ioh
> Payson, Arizona
>
>
>

43803. Re: [DrakeRadio] Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-18 13:35:43 UTC
From: Steve Wedge
Topic: 43717 Message: 43803

Relax, guys. Joe is backing up all the files and posts.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Mar 18, 2018 at 9:21 AM, William Shadid wa9mxq@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> I agree - and I would agree for any group to which I belong on Yahoo. Time
> to go.
>
> Bill, W9MXQ
>
> On 3/14/2018 1:28 PM, wendy101@... [DrakeRadio] wrote:
>
>
>
> Well Yahoo Groups is certainly not getting any better. Emails get sent
> but we don't receive them for hours or even days. I am sending this on
> Tuesday 14 March, 2018 at about 11:30 MST. I think it's time for us to get
> out while we can still transfer all of the data we have in Yahoo into
> another group like, Groups.io. I am a member of another group that was
> with Yahoo and just recently switched to Groups.io and everything was
> transfered and it works great. I have talked with the owner of this group
> and he has moved about 22 groups from Yahoo to Groups.io. He said it is
> not difficult and he is willing to help us if we need it. Your thoughts?
>
> Al, n7ioh
> Payson, Arizona
>
>
>
>
>

43804. Re: MANY Drake PARTS for sale....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-18 14:03:05 UTC
From: martin.benoit@...
Topic: 43478 Message: 43804

Hello Lee

i am looking for a TR4C faceplate.

Have you one for sale ?

Best 73!

Martin VA2ZO Québec city

43805. RE: [DrakeRadio] TR-7 RECEIVE ANTENNA

Yahoo group: DrakeRadio (2018)
Date: 2018-03-18 15:09:43 UTC
From: <todd@...>
Topic: 43772 Message: 43805

Jim,

Thanks, I think that is what I am going to do. There is no question that I can hear stations better on the G5RV than the 40 meter dipole fed with 450 ohm line. I think the TR-7's AGC is turning the receiver sensitivity down on the dipole because the dipole is picking up more noise. It seems like on 40 meters the 40m dipole makes a better transmit antenna.

Thanks for the help.

73,? Todd? K1TOD

-------- Original Message --------
Subject: Re: [DrakeRadio] TR-7 RECEIVE ANTENNA
From: "'Jim Shorney' jshorney@... [DrakeRadio]"
<DrakeRadio@yahoogroups.com>
Date: Sat, March 17, 2018 10:08 pm
To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>

?

On Fri, 16 Mar 2018 11:07:54 -0700, todd@... [DrakeRadio] wrote:

> I thought about connecting the G5RV to the receive antenna jack on the back of the TR-7 and the dipole to the regular antenna on the back of the TR-7.

That would be the way to do it. You could actually connect a pair of short jumpers and an antenna switch between the two jacks and select between the main antenna and any number of auxiliary RX antennas. Note that if your TR-7 has never been used with an R-7 you will have to cut the internal jumper between the two jacks for this to work.

73

-Jim
NU0C

--

"It's an Earth food. They are called Swedish meatballs! It's a strange thing, but every sentient race has its own version of these Swedish meatballs! I suspect it's one of those great universal mysteries which will either never be explained, or which would drive you mad if you ever learned the truth!" - G'Kar, Babylon 5

43806. Re: [DrakeRadio] Re: MANY Drake PARTS for sale....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-18 15:42:56 UTC
From: Kc9cdt@...
Topic: 43478 Message: 43806

Martin,
No sorry,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: martin.benoit@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Sun, Mar 18, 2018 10:05 am
Subject: [DrakeRadio] Re: MANY Drake PARTS for sale....

Hello Lee

i am looking for a TR4C faceplate.

Have you one for sale ?

Best 73!

Martin VA2ZO Québec city

43807. Still have some Drake parts left FOR SALE

Yahoo group: DrakeRadio (2018)
Date: 2018-03-18 19:12:27 UTC
From: Kc9cdt@...
Topic: 43807 Message: 43807

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $60. This is RARE to find....and allows you to upgrade from old wafer power on/off to snap switch.

7) Knob for L-4B WITH white line NOS.....$10.
8) Knob for L-4B No white line NOS....$10
9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
11) New bottem cover for AC-4 PS....$1
12) New Plate meter for TR-4 etc....P/N 358-0160....$30
13) New Plate meter for TR-4 etc....P/N 358-0160....$30
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr-4 as well??) P/N 366-0255....$30
21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr-4 as well??) P/N 366-0255....$30
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$10
40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
50) 1 NOS AC-4 cable plug (cinch).....$10
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
67) 39 Set Screw standard BAR knobs NOS or excellent cond.....$2 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$10
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$10
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$10
71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$5
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$2
77) 1 New Jersey Semiconductor 2N2430....NOS...$2
78) 3 New Jersey Semiconductor 2N2926....NOS...$6
79) 2 New Jersey Semiconductor 2N3638....NOS...$4
80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
82 Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)

Drake Crystals: $15 EACH.....+ shipping

Here's what left.

20.8
21.1
22.6
28.6
27.6
38.1
39.1
40.1

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.
73,

Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43808. Actual frequency of carrier oscillator for TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-03-18 21:00:34 UTC
From: ve3fwf@...
Topic: 43808 Message: 43808

I am compiling some RF levels for the TR-4 series radios.

I am measuring 8,998,200 Hz for the 9 Mz carrier oscillator for a TR-4CW. That seems too low.

The procedure in the manual was written before Frequency Counters were commonly available.

Should the carrier oscillator be adjusted to 9.0 Mz?

73, Bernie

43809. Re: [DrakeRadio] Actual frequency of carrier oscillator for TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 00:53:06 UTC
From: Steve Wedge
Topic: 43808 Message: 43809

How are you measuring it? Any chance that the frequency is being pulled?

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 18, 2018, at 17:00, ve3fwf@rogers.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> I am compiling some RF levels for the TR-4 series radios.
>
>
>
> I am measuring 8,998,200 Hz for the 9 Mz carrier oscillator for a TR-4CW. That seems too low.
>
>
>
> The procedure in the manual was written before Frequency Counters were commonly available.
>
>
>
> Should the carrier oscillator be adjusted to 9.0 Mz?
>
>
>
> 73, Bernie
>
>

43810. re: [DrakeRadio] Actual frequency of carrier oscillator for TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 02:48:54 UTC
From: Douglas Glenn
Topic: 43808 Message: 43810

Bernie,

The procedure for setting the 9-MHz oscillator frequency (given in the Drake TR-4 manual on page 34) is a compromise. It is used to compensate for inaccuracies of the two crystal filters (one for Upper Sideband and one for Lower Sideband).

The best frequency is unlikely to be exactly 9.0 MHz.

In theory, you could measure the upper skirt of the LSB filter and the lower skirt of the USB filter, and then set the 9-MHz oscillator frequency at the point where the slopes intersect. (See Fig 15, page 37 of the TR-4 manual.)

It's easier to do it by ear as the manual says.

Personally, since my TR-4 spends a lot of time on 80-meters, a very noisy band, I tweaked the 9-MHz oscillator to optimize intelligibility on LSB. If the USB signals suffer a little, then I live with it.

I sure would like to get a copy of your results when available.

I hope all this helps. Doug - K3ZMG

From: "ve3fwf@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Sunday, March 18, 2018 4:00 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Actual frequency of carrier oscillator for TR-4

I am compiling some RF levels for the TR-4 series radios.

I am measuring 8,998,200 Hz for the 9 Mz carrier oscillator for a TR-4CW. That seems too low.

The procedure in the manual was written before Frequency Counters were commonly available.

Should the carrier oscillator be adjusted to 9.0 Mz?

73, Bernie

43811. Fwd: [DrakeRadio] Actual frequency of carrier oscillator for TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 03:01:03 UTC
From: Ham Radio
Topic: 43811 Message: 43811

Forgot to copy the Drake list.

Sent from my iPad

Begin forwarded message:

> From: Ham Radio <ve3fwf@...>
> Date: March 18, 2018 at 10:54:42 PM EDT
> To: Steve Wedge <steve27302@...>
> Subject: Re: [DrakeRadio] Actual frequency of carrier oscillator for TR-4
>
> I'm measuring the carrier oscillator using a 10:1 probe connected to an HP counter. I hear a slight pull (maybe 150 Hz) while listening to the calibrator when I put the probe on the plate of the carrier oscillator tube.
>
> The reason I did the measurement is that the S-Meter levels (using the calibrator) on LSB and USB are quite different depending on the frequency and band selected. In fact, there is more than a 10dB positive difference on the S-Meter when using the 500 Hz CW filter (which is a bit strange).
>
> I had a quick look at the levels coming out of the SSB filters with the HP Spectrum Analyzer using a 10:1 probe and they appear to be same. Maybe need to measure the slope of the IF response curve?
>
> 73, Bernie
>
> Sent from my iPad
>
>> On Mar 18, 2018, at 8:53 PM, Steve Wedge <steve27302@...> wrote:
>>
>> How are you measuring it? Any chance that the frequency is being pulled?
>>
>> Steve Wedge, W1ES/4
>>
>> Sent from my iPhone - the typos have been generated by highly sophisticated software.
>>
>>> On Mar 18, 2018, at 17:00, ve3fwf@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>>
>>>
>>> I am compiling some RF levels for the TR-4 series radios.
>>>
>>>
>>>
>>> I am measuring 8,998,200 Hz for the 9 Mz carrier oscillator for a TR-4CW. That seems too low.
>>>

>>>
>>>
>>> The procedure in the manual was written before Frequency Counters were commonly available.
>>>
>>>
>>>
>>> Should the carrier oscillator be adjusted to 9.0 Mz?
>>>
>>>
>>>
>>> 73, Bernie
>>>
>>>

43813. Re: [DrakeRadio] Actual frequency of carrier oscillator for TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 11:27:48 UTC
From: Ham Radio
Topic: 43808 Message: 43813

Doug:

Excellent points —- I have an Inrad replacement LSB filter in the TR-4CW which probably has a slightly different response curve than the original Drake LSB filter.

The carrier oscillator may indeed need a tweak to compensate for the difference in the filters.

Will update my finding once I get some more bench time.

73, Bernie

Sent from my iPad

> On Mar 18, 2018, at 10:48 PM, Douglas Glenn <dglenn@...> wrote:
>
> Bernie,
>
> The procedure for setting the 9-MHz oscillator frequency (given in the Drake TR-4 manual on page 34) is a compromise. It is used to compensate for inaccuracies of the two crystal filters (one for Upper Sideband and one for Lower Sideband).
>
> The best frequency is unlikely to be exactly 9.0 MHz.
>
> In theory, you could measure the upper skirt of the LSB filter and the lower skirt of the USB filter, and then set the 9-MHz oscillator frequency at the point where the slopes intersect. (See Fig 15, page 37 of the TR-4 manual.)
>
> It’s easier to do it by ear as the manual says.
>
> Personally, since my TR-4 spends a lot of time on 80-meters, a very noisy band, I tweaked the 9-MHz oscillator to optimize intelligibility on LSB. If the USB signals suffer a little, then I live with it.
>
> I sure would like to get a copy of your results when available.
>
> I hope all this helps. Doug – K3ZMG
>
> From: "ve3fwf@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> Sent: Sunday, March 18, 2018 4:00 PM
> To: DrakeRadio@yahoogroups.com
> Subject: [DrakeRadio] Actual frequency of carrier oscillator for TR-4
>
>
>
>

>
> I am compiling some RF levels for the TR-4 series radios.
>
>
>
> I am measuring 8,998,200 Hz for the 9 Mz carrier oscillator for a TR-4CW. That seems too low.
>
>
>
> The procedure in the manual was written before Frequency Counters were commonly available.
>
>
>
> Should the carrier oscillator be adjusted to 9.0 Mz?
>
>
>
> 73, Bernie
>
>
>
>

43814. New file uploaded to DrakeRadio

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 16:10:45 UTC
From: DrakeRadio@yahoogroups.com
Topic: 3736 Message: 43814

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the DrakeRadio
group.

File : /VE3FWF/T-4XC_levels_version_1.1.doc
Uploaded by : bernard.murphy@... <ve3fwf@...>
Description : Drake T-4XC levels (Updated)

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/DrakeRadio/files/VE3FWF/T-4XC_levels_version_1.1.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

bernard.murphy@... <ve3fwf@...>

43815. New file uploaded to DrakeRadio

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 16:33:51 UTC
From: DrakeRadio@yahoogroups.com
Topic: 3736 Message: 43815

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the DrakeRadio
group.

File : /VE3FWF/T-4XC_levels_version_1.1.doc
Uploaded by : bernard.murphy@... <ve3fwf@...>
Description : RF levels for Drake T-4XC transmitter (updated)

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/DrakeRadio/files/VE3FWF/T-4XC_levels_version_1.1.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

bernard.murphy@... <ve3fwf@...>

43816. New file uploaded to DrakeRadio

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 16:34:48 UTC
From: DrakeRadio@yahoogroups.com
Topic: 3736 Message: 43816

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the DrakeRadio
group.

File : /VE3FWF/T-4XC_levels_version_1.1.rtf
Uploaded by : bernard.murphy@... <ve3fwf@...>
Description : RF levels for Drake T-4XC transmitter (updated) in RTF format

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/DrakeRadio/files/VE3FWF/T-4XC_levels_version_1.1.rtf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

bernard.murphy@... <ve3fwf@...>

43817. New file uploaded to DrakeRadio

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 16:15:31 UTC
From: DrakeRadio@yahoogroups.com
Topic: 3736 Message: 43817

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the DrakeRadio
group.

File : /VE3FWF/t-4xc_levels_version_1.1.rtf
Uploaded by : bernard.murphy@... <ve3fwf@...>
Description : Drake T-4XC levels (updated) in RTF format

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/DrakeRadio/files/VE3FWF/t-4xc_levels_version_1.1.rtf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

bernard.murphy@... <ve3fwf@...>

43818. Re: [DrakeRadio] Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 17:32:29 UTC
From: v2positiverate@...
Topic: 43717 Message: 43818

I think so too... I'm about to buy a high tech rig to run next to my low tech Drake station and figured I'd get set up on Groups.io for this new hardware. So far, I really like what I see there and wouldn't mind seeing us here, move over there. Anyway, just my pennies worth.

73
Steve
K5PK

43819. Wanted Drake RV7 remote VFO

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 19:31:19 UTC
From: <todd@...>
Topic: 43819 Message: 43819

I am looking for a Drake RV7 remote VFO for one of my TR-7's. Email:? todd@...? 73,? Todd? K1TOD

43820. Re: [DrakeRadio] TR3 Reconditioning

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 20:30:53 UTC
From: john g
Topic: 43762 Message: 43820

The crystal filters are going out of the older tr4s and almost all of the tr3 radios. Ron Baker WB4HFN has a lot of parts radios- id e mail him first-see if he has a way to install a good 4 pole filter. The 8 pole filters are not directly interchangeable you need filter match cans too-- definitely need some parts to swap . You can check it out yourself to see if that's the case Ron is good- he will offer suggestions. google him and his site will pop up. I have a TR4 ive relegated to parts because the chassis is crappy. not worth the coin- however if your TR3 is really nice -it may be. Any more questions drop a line Ill help what i can, just been thru this, 73, John

On ☐Friday☐, ☐March☐ ☐16☐, ☐2018☐ ☐12☐:☐45☐:☐36☐ ☐PM☐ ☐EDT, Thomas Thomson tatfoto@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I recently received a very nice TR3 and wonder who works on these. I would like to have it gone over by someone in the knowbefore putting it on the air. I bought it to use in my camper this summer. It looks very good with no apparent problems. But...
Tom Thomson, W9CHPw9chp@...

43821. Re: [DrakeRadio] TR4C PARTING IT OUT STILL

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 20:39:54 UTC
From: john g
Topic: 43428 Message: 43821

Is all tr4c stuff gone? Thanks, John

On ☐Tuesday☐, ☐February☐ ☐27☐, ☐2018☐ ☐10☐:☐05☐:☐46☐ ☐AM☐ ☐EST, wa2hso@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I STILL HAVE SOME TR4C PARTS AVAILABLE

Most all coils / if cans relay / daugher boards

final cage/& inside parts

pto dial/gears/lamps

rf / load / plate caps

switches / connectors / front panel (90% clean)

cabinet (needs a repaint)

respond with your needs / (i can send pictures)

REASONABLE , offer price (consider shipping)

PAYPAL accepted / USPS MONEY ORDER / cash @your risk

MOST GO ON E-BAY NEXT WEEK @ MORE $

DUTTON46@...

43822. Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 22:23:11 UTC
From: johng101501@...
Topic: 43717 Message: 43822

Im game for moving too - It wont get better, 73, John

43823. Re: Drake parts

Yahoo group: DrakeRadio (2018)
Date: 2018-03-19 22:41:28 UTC
From: johng101501@...
Topic: 43716 Message: 43823

I got some stuff from Lee too Great packaging no complaints!

43824. RE: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 00:52:01 UTC
From: Joe
Topic: 43717 Message: 43824

Why? We really don’t have any issues. Once, in what, 6 years? Yup, time to move and possibly move into some unknown issue(s) with a new system. We don’t need that headache!

Gonna hold off for a while.

I am in the process of backing up the files and attachments directory, and if I can figure out how, I will back up the message base as well.

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]

Subject: [DrakeRadio] Re: Time to drop Yahoo Groups?

Im game for moving too - It wont get better, 73, John

43825. Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 01:02:16 UTC
From: Richard Knoppow
Topic: 43717 Message: 43825

One of the Hallicrafters lists just moved a day or so ago.
Very smooth transition.
I have not had much trouble with Yahoo but I follow lists via
e-mail, not the web, so that may be the difference.
You don't have to do anything to continue getting e-mail but
do have to amend any filter used to rout the messages to a
folder. In Thunderbird, at least, its very simple.

On 3/19/2018 3:23 PM, johng101501@... [DrakeRadio] wrote:
>
>
> Im game for moving too - It wont get better, 73, John
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43827. Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 01:18:35 UTC
From: Jeffrey Angus
Topic: 43717 Message: 43827

On 3/19/18 7:52 PM, Joe w7rkn.7@... [DrakeRadio] wrote:
>
> Why? We really don’t have any issues. Once, in what, 6 years?
> Yup, time to move and possibly move into some unknown issue(s)
> with a new system. We don’t need that headache!
>
> Gonna hold off for a while.
>

The Winlink group switched from Yahoo to groups.io
They had a similar subscription base and daily content level
as the Drake Group here.

It plummeted to about 10 users and a posting frequency of about
2-3 messages every 2-3 weeks.
>
> I am in the process of backing up the files and attachments
> directory, and if I can figure out how, I will back up the message
> base as well.
>
That's always a good thing regardless.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43829. Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 02:09:49 UTC
From: Ted
Topic: 43717 Message: 43829

I'm 100 percent with you, Joe!

73 ted N9NB

Sent from smartphone, please excuse typos

> On Mar 19, 2018, at 8:52 PM, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Why? We really don’t have any issues. Once, in what, 6 years? Yup, time to move and possibly move into some unknown issue(s) with a new system. We don’t need that headache!
>
>
>
> Gonna hold off for a while.
>
>
>
> I am in the process of backing up the files and attachments directory, and if I can figure out how, I will back up the message base as well.
>
>
>
> Joe – W7RKN
>
>
>
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
>
> Subject: [DrakeRadio] Re: Time to drop Yahoo Groups?
>
>
>
>
>
>
> Im game for moving too - It wont get better, 73, John
>
>
>
>

43830. Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 02:48:37 UTC
From: Jim Low man
Topic: 43717 Message: 43830

I’d vote for the move as well!
No problems that I’m aware of, as far as receiving messages by e-mail, but why wait?

73 de Jim-AD6CW

> On Mar 19, 2018, at 7:09 PM, Ted TSRWVCOMM@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> I'm 100 percent with you, Joe!
>
> 73 ted N9NB
>
> Sent from smartphone, please excuse typos
>
>> On Mar 19, 2018, at 8:52 PM, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>> Why? We really don’t have any issues. Once, in what, 6 years? Yup, time to move and possibly move into some unknown issue(s) with a new system. We don’t need that headache!
>>
>>
>>
>> Gonna hold off for a while.
>>
>>
>>
>> I am in the process of backing up the files and attachments directory, and if I can figure out how, I will back up the message base as well.
>>
>>
>>
>> Joe – W7RKN
>>
>>
>>
>> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
>>
>> Subject: [DrakeRadio] Re: Time to drop Yahoo Groups?
>>
>>
>>
>>
>>

>> Im game for moving too - It wont get better, 73, John
>>
>>
>>
>
>
>

43831. Re: [DrakeRadio] TR4C PARTING IT OUT STILL

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 02:53:24 UTC
From: ve3fwf@...
Topic: 43428 Message: 43831

Please e-mail me off list if you still have the TR-4C PTO assembly.

Thank you.

73, Bernie

43832. Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 13:08:19 UTC
From: Steve Wedge
Topic: 43717 Message: 43832

I do believe that this horse can now be pronounced.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 19, 2018, at 20:52, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Why? We really don’t have any issues. Once, in what, 6 years? Yup, time to move and possibly move into some unknown issue(s) with a new system. We don’t need that headache!
>
>
>
> Gonna hold off for a while.
>
>
>
> I am in the process of backing up the files and attachments directory, and if I can figure out how, I will back up the message base as well.
>
>
>
> Joe – W7RKN
>
>
>
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
>
> Subject: [DrakeRadio] Re: Time to drop Yahoo Groups?
>
>
>
>
>
>
> Im game for moving too - It wont get better, 73, John
>
>
>
>

43833. Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 13:14:56 UTC
From: Barry
Topic: 43717 Message: 43833

It's been a long, long time since I've had any problems pronouncing "this horse"... :)

Thanks,
Barry - N4BUQ

> I do believe that this horse can now be pronounced.
>
> Steve Wedge, W1ES/4

43834. Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 15:12:12 UTC
From: Douglas Glenn
Topic: 43717 Message: 43834

Reading the email seems to be just fine.

What gripes me is trying to access uploaded files. VE3FVF just recently uploaded a file I wanted to see. After going through the ritual of getting into yahoo, it did a hiccup saying that I was was requesting an incompatible file format. What is there about an .RTF file that makes it incompatible at yahoo?

Where ever the group ends up, I hope it is more user friendly when it com,es to accessing upleads and archives.

Doug - K3ZMG

From: "Ted TSRWVCOMM@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Monday, March 19, 2018 9:10 PM
To: DrakeRadio@yahoogroups.com, "Joe" <w7rkn.7@...>
Subject: Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

I'm 100 percent with you, Joe!

73 ted N9NB

Sent from smartphone, please excuse typos

On Mar 19, 2018, at 8:52 PM, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Why? We really don't have any issues. Once, in what, 6 years? Yup, time to move and possibly move into some unknown issue(s) with a new system. We don't need that headache!

Gonna hold off for a while.

I am in the process of backing up the files and attachments directory, and if I can figure out how, I will back up the message base as well.

Joe - W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]

Subject: [DrakeRadio] Re: Time to drop Yahoo Groups?

Im game for moving too - It wont get better, 73, John

43835. Fwd: Another Drake Station -- 3pcs

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 16:16:40 UTC
From: Moe Fretz
Topic: 43835 Message: 43835
Attachments: 5 described; binary payloads are missing from this source WARC

Station 2
Here is the next Drake station offered consisting of the R-4A, T-4X, MS-3
and speaker.

Lets start with the RX
Here are the pictures for it.

Looks like there are some Hayseed caps installed.
Full set of cable and manuals.

No crystal across the back.
I'll sent TX and power supply pictures
in
separate
post
.

$-------&
Moe Fretz

Cambridge
Ontario, Canada

43836. Drake station 2

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 16:25:49 UTC
From: Moe Fretz
Topic: 43836 Message: 43836
Attachments: 5 described; binary payloads are missing from this source WARC

The rest of the pictures.
The TX also has Hayseed caps in it.
There is a set of finals (untested)
Cabling and manual.
+
The power supply pictures are here too.
Looks like the supply has been up graded.

Good clean cabinets for all three pcs.
I will only sell as set. $450.00 USD
Thanks.
Moe

$-------&
Moe Fretz

Cambridge
Ontario, Canada

43837. Re: [DrakeRadio] Fwd: Another Drake Station -- 3pcs [12 Attachments]

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 16:50:09 UTC
From: RAY FRIESS
Topic: 43835 Message: 43837

Prices?

Sent from my Verizon LG Smartphone

------ Original message------
From: Moe Fretz tubetester@gmail.com [DrakeRadio]
Date: Tue, Mar 20, 2018 10:17 AM
To: DrakeRadio@yahoogroups.com;
Cc:
Subject:[DrakeRadio] Fwd: Another Drake Station -- 3pcs [12 Attachments]

Station 2
Here is the next Drake station offered consisting of the R-4A, T-4X, MS-3 and speaker.

Lets start with the RX
Here are the pictures for it.

Looks like there are some Hayseed caps installed.
Full set of cable and manuals.

No crystal across the back.
I'll sent TX and power supply pictures
in
separate
post
.

$-------&
Moe Fretz

Cambridge
Ontario, Canada

43838. RE: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 17:06:22 UTC
From: Joe
Topic: 43717 Message: 43838

Doug...

Not quite understanding your issues

You are supposed to download the files and read/view them on *your*
computer.

If you can't download, check your browser software permissions/settings.

I have been downloading files for 2 days now, and have yet run into an
issue, 'cept Yahoo won't let me do a bulk download, which is a royal pain!
I am archiving our files and attachments sections onto a stand-alone drive
in my server's network, 'just in case'.

Joe - W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

Reading the email seems to be just fine.

What gripes me is trying to access uploaded files. VE3FVF just recently
uploaded a file I wanted to see. After going through the ritual of getting
into yahoo, it did a hiccup saying that I was was requesting an incompatible
file format. What is there about an .RTF file that makes it incompatible at
yahoo?

Where ever the group ends up, I hope it is more user friendly when it com,es
to accessing upleads and archives.

Doug - K3ZMG

43839. Re: [DrakeRadio] Fwd: Another Drake Station -- 3pcs [12 Attachments]

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 19:50:45 UTC
From: Moe Fretz
Topic: 43835 Message: 43839

$450.00 USD for all three units

There are two posts.
RX was the first post with pictures.
TX and power supply were in the second post with pictures.
I will not separate these units.

$450.00 USD for all three units

$-------&
Moe Fretz

Cambridge
Ontario, Canada

43840. Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-20 21:52:15 UTC
From: blumu
Topic: 43717 Message: 43840

On Dienstag, 20. 03 18 17:06, Joe w7rkn.7@... [DrakeRadio] wrote:

> ...
> I have been downloading files for 2 days now, and have yet run into an
> issue, ?cept Yahoo won?t let me do a bulk download, which is a royal
> pain! ??I am archiving our files and attachments sections onto a
> stand-alone drive in my server?s network, ?just in case?.
>
> Joe ? W7RKN
.....

Thanks for doing that, Joe. We can all sleep easier!

Michael 2E0IHW

43842. MN-2000 ANT Switch Needed

Yahoo group: DrakeRadio (2018)
Date: 2018-03-21 03:41:28 UTC
From: kf4by@...
Topic: 43842 Message: 43842

I recently purchased an MN-2000 on QTH.com which was represented to be in good working condition. When I opened it to repair a loose band switch I found that the ANT Band Switch had been switched under power and several contacts were destroyed. Is anyone parting out an MN-2000 or does anyone have a source for the needed ceramic 2P6 Pos, 30 deg wafer?

Thank You!

73, Stan - KF4BY

43843. Re: [DrakeRadio] MN-2000 ANT Switch Needed

Yahoo group: DrakeRadio (2018)
Date: 2018-03-21 15:08:23 UTC
From: MadScientist1948
Topic: 43842 Message: 43843

Send me a photo of it.

Gary

> On Mar 20, 2018, at 10:41 PM, kf4by@outlook.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I recently purchased an MN-2000 on QTH.com <http://qth.com/> which was represented to be in good working condition. When I opened it to repair a loose band switch I found that the ANT Band Switch had been switched under power and several contacts were destroyed. Is anyone parting out an MN-2000 or does anyone have a source for the needed ceramic 2P6 Pos, 30 deg wafer?
>
> Thank You!
>
> 73, Stan - KF4BY
>
>
>
>
>

43844. Re: [DrakeRadio] MN-2000 ANT Switch Needed

Yahoo group: DrakeRadio (2018)
Date: 2018-03-21 15:52:31 UTC
From: Paul Kraemer
Topic: 43842 Message: 43844

Ebay Soviet military items
But you have to do some work to install it. That work may be above the average ham shop
But you will have a better unit when it is done
Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com
Sent: Wednesday, March 21, 2018 10:08 AM
To: mailto:DrakeRadio@yahoogroups.com ; kf4by@...
Subject: Re: [DrakeRadio] MN-2000 ANT Switch Needed

Send me a photo of it.

Gary

On Mar 20, 2018, at 10:41 PM, kf4by@outlook.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I recently purchased an MN-2000 on QTH.com which was represented to be in good working condition. When I opened it to repair a loose band switch I found that the ANT Band Switch had been switched under power and several contacts were destroyed. Is anyone parting out an MN-2000 or does anyone have a source for the needed ceramic 2P6 Pos, 30 deg wafer?

Thank You!

73, Stan - KF4BY

43845. Re: [DrakeRadio] MN-2000 ANT Switch Needed

Yahoo group: DrakeRadio (2018)
Date: 2018-03-21 15:57:03 UTC
From: Jeffrey Angus
Topic: 43842 Message: 43845

On 3/20/18 10:41 PM, kf4by@... [DrakeRadio] wrote:
> I recently purchased an MN-2000 on QTH.com which was
> represented to be in good working condition.
> When I opened it to repair a loose band switch I found that the
> ANT Band Switch had been switched under power and several
> contacts were destroyed.

I'd hardly call that "good working condition."
Has the seller made an offer to compensate for this?

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43846. RE: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-21 16:24:45 UTC
From: ron.magnus@...
Topic: 43717 Message: 43846

Hello all,

I am a fairly long time reader and a very infrequent poster, mostly because everyone else does such a good job of responding quickly to other's posts. This brings me to one of the reasons I am slow to the party and that's because I receive everything as a digest via email. Sometimes several times a day sometimes a few times a week. Bottom line is that for now things have stayed stable for quite some time for me and I for one am in favor of leaving things as they are.

Joe makes some very valid points. I read several groups on Yahoo! and so far only one of them (a very small band of renegades) as moved off.

73, Ron wa7gfe

43847. Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-21 16:47:47 UTC
From: Gary Woods
Topic: 43717 Message: 43847

On 21 Mar 2018 16:24:45 +0000, you wrote:

>Joe makes some very valid points. I read several groups on Yahoo! and so far only one of them (a very small band of renegades) as moved off.

As my landlady said while renewing my lease, "The Divvel you know...."

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

43848. TR-4C knob

Yahoo group: DrakeRadio (2018)
Date: 2018-03-21 16:57:12 UTC
From: Jose Luis
Topic: 43848 Message: 43848

I need a knob (used but in good condition) of the TR-4C.
Does anyone have one left over and send me it to Spain? I would pay via PayPal.

43849. Back-up Update

Yahoo group: DrakeRadio (2018)
Date: 2018-03-21 17:08:57 UTC
From: Joe
Topic: 43849 Message: 43849

The back-up of the group's files is going.S-L-O-W-L-Y!! But, it *is* going.

****

To reiterate what I have said before.

I am not looking to move the group ANYWHERE at this time. I really see no need to do so. For my reasons, read back over my posts on the subject over the past 2 or so weeks.

I *do* believe a few hams are alarmists and are creating mountains out of molehills with their "The Sky Is Falling", doom and gloom, posts everywhere.

I respect their opinions, but I am a firm believer in not doing anything drastic until the need becomes readily apparent. Somehow I feel Garey would have the same feelings.

Heh, if one believes in the afterlife, then perhaps Garey *is* guiding me!
J

So, let's move on and get back to Drake Radios in our discussions. The 'move' ain't gonna happen.

Joe Wolfe - W7RKN

43850. Re: [DrakeRadio] Back-up Update

Yahoo group: DrakeRadio (2018)
Date: 2018-03-21 17:18:30 UTC
From: Rory
Topic: 43849 Message: 43850

Joe what's your connection speed? I have 1gb up and down here if that helps.

On Wed, Mar 21, 2018 at 10:08 AM, Joe w7rkn.7@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> The back-up of the group’s files is going…S-L-O-W-L-Y!! But, it **is**
> going.
>
>
>
> *******
>
>
>
> To reiterate what I have said before.
>
>
>
> I am not looking to move the group ANYWHERE at this time. I really see no
> need to do so. For my reasons, read back over my posts on the subject over
> the past 2 or so weeks.
>
>
>
> I **do** believe a few hams are alarmists and are creating mountains out
> of molehills with their “The Sky Is Falling”, doom and gloom, posts
> everywhere.
>
>
>
> I respect their opinions, but I am a firm believer in not doing anything
> drastic until the need becomes readily apparent. Somehow I feel Garey
> would have the same feelings.
>
>
>
> Heh, if one believes in the afterlife, then perhaps Garey **is** guiding
> me! J
>
>
>
> So, let’s move on and get back to Drake Radios in our discussions. The
> ‘move’ ain’t gonna happen.

>
>
>
> Joe Wolfe – W7RKN
>
>
>
>
>
>
>

43851. New file uploaded to DrakeRadio

Yahoo group: DrakeRadio (2018)
Date: 2018-03-21 17:24:23 UTC
From: DrakeRadio@yahoogroups.com
Topic: 3736 Message: 43851

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the DrakeRadio
group.

File : /VE3FWF/T-4XC_levels_version_1.1.pdf
Uploaded by : bernard.murphy@... <ve3fwf@...>
Description : RF levels for Drake T-4XC transmitter (updated) in PDF format

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/DrakeRadio/files/VE3FWF/T-4XC_levels_version_1.1.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

bernard.murphy@... <ve3fwf@...>

43852. Re: [DrakeRadio] TR-4C knob

Yahoo group: DrakeRadio (2018)
Date: 2018-03-21 17:50:31 UTC
From: armando martins
Topic: 43848 Message: 43852

Ola Jose qual es o knob que necessitas pois que eu
tenho alguns.
Por favour me digas qual eu to lo mando pois eu me
vou a Portugal em Abril
Gracias amigo
Martins M0PAM

On Wed, 21/3/18, Jose Luis ea4yd.jose@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Subject: [DrakeRadio] TR-4C knob
To: DrakeRadio@yahoogroups.com
Date: Wednesday, 21 March, 2018, 16:57

I need a knob (used but in good
condition) of the TR-4C.
Does anyone have
one left over and send me it to Spain? I would pay via
PayPal.

43853. Re: [DrakeRadio] TR-4C knob

Yahoo group: DrakeRadio (2018)
Date: 2018-03-21 21:43:24 UTC
From: MadScientist1948
Topic: 43848 Message: 43853

Which knob do you need? I have dozens of the small pointer knobs.

Gary

> On Mar 21, 2018, at 11:57 AM, Jose Luis ea4yd.jose@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> I need a knob (used but in good condition) of the TR-4C.
> Does anyone have one left over and send me it to Spain? I would pay via PayPal.
>
>

43854. Re: [DrakeRadio] TR4C PARTING IT OUT STILL

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 01:35:22 UTC
From: johng101501@...
Topic: 43428 Message: 43854

Ok Im looking for a xmtr gain knob, and a set of the 5 crystals that go in the front, power switch and pots and the load coil for the final amp tubes, and t-13 and t-6

43855. File - Bi-Weekly Statement

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 01:44:38 UTC
From: DrakeRadio@yahoogroups.com
Topic: 206 Message: 43855

All group members are welcome to post on this message board, so for those that have questions please don't be shy and for those that have answers, please feel free to give advice to others. No one is 'keeping score' (I hope!)

PLEASE use the 'Reply All' function of your e-mail client so replies are posted to the list. A 'Reply' to the original poster ONLY, deprives the rest from seeing an answer, AND greatly diminishes the value of the List archives.

For those of you that have not introduced yourself we welcome you to do so and please feel free to upload your station pictures to the photos section of our group's home page, as well as links to Drake information or your homepage.

Just a word of advice for R-7 / TR-7 owners 'with a problem'. I estimate that 90% of 'failures' in these units are caused by minor oxidation of a switch, the card and/or cable connectors. Whether it's a problem that just shows up at turn-on, -OR-, after the unit has been unused for a while, DeoxIT'ing switches and just re-seating cards and connectors will often get it going again. If not, you know where we are!

73, Garey - K4OAH

43860. Re: [DrakeRadio] Re: RF signal levels for a Drake T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 02:18:59 UTC
From: Ted
Topic: 43676 Message: 43860

Dear all:

Here's a perhaps funny question.

What crystal needs to be in the r4c in order to use the c line twins as a transceiver on 10.1030 MHz (assuming the t4xc has no crystal for 30 m operation), and what should the RF band and preselector settings be on the r4c and t4xc?

On one of my c line's, I can get the crystal to receive at 10.100 MHz in one of 2 settings (swapping the band and preselector settings between 20 and 40m), but the T4XC only seems to put RF power out in one setting (when the transceiver mode is set to RCVR), but it's not transmitting on 10.100 (I have no idea where it's transmitting).

Any help Appreciated . 73 ted N9NB

Sent from smartphone, please excuse typos

> On Mar 21, 2018, at 9:49 PM, ve3fwf@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> I have updated the RF levels table for the Drake T-4XC in the VE3FWF folder in the Files section of this site.
>
> There are 3 file types (.doc, .rtf and .pdf) you can choose to download.
>
> If you have corrections and/or additions, please contact me.
>
> I would like make a similar table for the TR-4 radios next.
>
> If anyone has a starting point, please let me know.
>
> 73, Bernie
>

43861. RF levels table for Drake T-4XC updated

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 02:20:19 UTC
From: ve3fwf@...
Topic: 43861 Message: 43861

I have updated the RF levels table for the Drake T-4XC in the VE3FWF folder in the Files section of this site.

There are 3 file types (.doc, .rtf and .pdf) you can choose to download.

If you have corrections and/or additions, please contact me.

I would like to make a similar table for the TR-4 radios next.

If anyone has a starting point, please let me know.

73, Bernie

43862. RE: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 02:34:15 UTC
From: Doug Renwick
Topic: 43717 Message: 43862

There are now 5,329 groups on groups.io and more moving every day. Time to move.

Doug

"Political correctness is a weapon used to silence people who tell the truth" - Ayaan Hirsi Ali

_____

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: March-21-18 10:25 AM
To: DrakeRadio@yahoogroups.com
Subject: RE: [DrakeRadio] Re: Time to drop Yahoo Groups?

Hello all,

I am a fairly long time reader and a very infrequent poster, mostly because everyone else does such a good job of responding quickly to other's posts. This brings me to one of the reasons I am slow to the party and that's because I receive everything as a digest via email. Sometimes several times a day sometimes a few times a week. Bottom line is that for now things have stayed stable for quite some time for me and I for one am in favor of leaving things as they are.

Joe makes some very valid points. I read several groups on Yahoo! and so far only one of them (a very small band of renegades) as moved off.

73, Ron wa7gfe

.

<http://geo.yahoo.com/serv?s=97359714/grpId=17989790/grpspId=1705063108/msgId=43846/stime=1521649492>

<http://y.analytics.yahoo.com/fpc.pl?ywarid=515FB27823A7407E&a=1000131032227 9&js=no&resp=img&cf12=CP>

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

43863. Re: [DrakeRadio] RF levels table for the Drake T-4XC updated

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 03:09:11 UTC
From: Richard Knoppow
Topic: 43863 Message: 43863

Thanks, this is very useful information.

On 3/21/2018 7:16 PM, ve3fwf@... [DrakeRadio] wrote:
>
>
>
> I have updated the RF levels table for the Drake T-4XC in the
> VE3FWF folder in the Files section of this site.
>
> There are 3 file types (.doc, .rtf and .pdf) you can choose to
> download.
>
> If you have corrections and/or additions, please contact me.
>
> I would like make a similar table for? the TR-4 radios next.
>
> If anyone has a starting point, please let me know.
>
> 73, Bernie

--
Richard Knoppow
1oldlens1@...
WB6KBL

43864. Re: [DrakeRadio] Re: RF signal levels for a Drake T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 03:20:59 UTC
From: Richard Knoppow
Topic: 43676 Message: 43864

Same as the R4B, 21.1 Mhz will cover from 10Mhz to 10.5Mhz
with band switch set on 14 Mhz. This also gives you WWV. See page
2-5 for the chart. Auxilliary crystal is always 11.1 Mhz higher
than the low end of the band you want to cover.
I have a full set of crystals in my R4B to use with my T4XB
for WARC bands and extension of 10 Meters. I wish now I had also
bought the extra crystals for the transmitter for 10 Meters but
the transceive function works fine on all bands.

On 3/21/2018 7:18 PM, Ted TSRWVCOMM@... [DrakeRadio] wrote:
>
>
> Dear all:
>
> Here's a perhaps funny question.
>
> What crystal needs to be in the r4c in order to use the c line
> twins as a transceiver on 10.1030 MHz (assuming the t4xc has no
> crystal for 30 m operation), and what should the RF band and
> preselector settings be on the r4c and t4xc?
>
> On one of my c line's, I can get the crystal to receive at 10.100
> MHz in one of 2 settings (swapping the band and preselector
> settings between 20 and 40m), but the T4XC only seems to put RF
> power out in one setting (when the transceiver mode is set to
> RCVR), but it's not transmitting on 10.100 (I have no idea where
> it's transmitting).
>
> Any help Appreciated . 73 ted N9NB
>
> Sent from smartphone, please excuse typos
>
> On Mar 21, 2018, at 9:49 PM, ve3fwf@...
> <mailto:ve3fwf@...> [DrakeRadio]
> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
> wrote:
>
>>
>> I have updated the RF levels table for the Drake T-4XC in the
>> VE3FWF folder in the Files section of this site.
>>
>> There are 3 file types (.doc, .rtf and .pdf) you can choose to
>> download.
>>
>> If you have corrections and/or additions, please contact me.

>>
>> I would like make a similar table for? the TR-4 radios next.
>>
>> If anyone has a starting point, please let me know.
>>
>> 73, Bernie
>>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43865. Re: [DrakeRadio] Re: RF signal levels for a Drake T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 04:00:07 UTC
From: Ham Radio
Topic: 43676 Message: 43865

The T-4XC in RCVR mode will get its injection frequency from the device connected to the INJ jack on the back of the transceiver (in your case that would be from the R-4C).

You need to confirm that the INJ frequency coming from the R-4C is correct and at the correct RF level. The best way to check is with a frequency counter. Check in the manual to make sure that the 30 meter band will work on the C line.

73, Bernie

Sent from my iPad

> On Mar 21, 2018, at 10:18 PM, Ted <tsrwvcomm@...> wrote:
>
> Dear all:
>
> Here's a perhaps funny question.
>
> What crystal needs to be in the r4c in order to use the c line twins as a transceiver on 10.1030 MHz (assuming the t4xc has no crystal for 30 m operation), and what should the RF band and preselector settings be on the r4c and t4xc?
>
> On one of my c line's, I can get the crystal to receive at 10.100 MHz in one of 2 settings (swapping the band and preselector settings between 20 and 40m), but the T4XC only seems to put RF power out in one setting (when the transceiver mode is set to RCVR), but it's not transmitting on 10.100 (I have no idea where it's transmitting).
>
> Any help Appreciated . 73 ted N9NB
>
> Sent from smartphone, please excuse typos
>
>> On Mar 21, 2018, at 9:49 PM, ve3fwf@rogers.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>> I have updated the RF levels table for the Drake T-4XC in the VE3FWF folder in the Files section of this site.
>>
>> There are 3 file types (.doc, .rtf and .pdf) you can choose to download.
>>
>> If you have corrections and/or additions, please contact me.
>>
>> I would like make a similar table for the TR-4 radios next.
>>
>> If anyone has a starting point, please let me know.
>>
>> 73, Bernie

>>

43866. Re: [DrakeRadio] Re: RF signal levels for a Drake T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 04:21:51 UTC
From: Richard Knoppow
Topic: 43676 Message: 43866

The only frequency band that is "forbidden" on the C line is
the 5 to 6 Mhz band, same as in the B line. Actually, I think you
could cover part of this would have spurs because the injection
oscillator would run through the IF.

On 3/21/2018 9:00 PM, Ham Radio ve3fwf@... [DrakeRadio] wrote:
>
>
> The T-4XC in RCVR mode will get its injection frequency from the
> device connected to the INJ jack on the back of the transceiver
> (in your case that would be from the R-4C).
>
> You need to confirm that the INJ frequency coming from the R-4C
> is correct and at the correct RF level. ?The best way to check is
> with a frequency counter. Check in the manual to make sure that
> the 30 meter band will work on the C line.
>
> 73, Bernie
>
> Sent from my iPad

--
Richard Knoppow
1oldlens1@...
WB6KBL

43867. Re: [DrakeRadio] Re: RF signal levels for a Drake T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 05:16:02 UTC
From: Jim Pruitt
Topic: 43676 Message: 43867

You might want to check the T4XC manual.? It says to use a 20.8mhz crystal for 10.0 - 10.2 use and to read dial as if starting from 9.7mhz.? It also lists ranges that the T4XC is not to be used on with various crystals (like 9.9 -10.0mhz).? Yes the R4C can cover a lot of those frequencies and using the 11.1+ band bottom = xtal frequency but you have to be a bit more careful when trying to use the T4XC and transmitting using the R4any to transceive to make sure you are not going to be generating spurs where you don't want them.? It is not a straight forward exercise so be sure and follow the manual.? Drake engineers did know what they were doing.

Good luck.

Jim Pruitt
WA7DUY

On 3/21/2018 8:20 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> Same as the R4B, 21.1 Mhz will cover from 10Mhz to 10.5Mhz
> with band switch set on 14 Mhz. This also gives you WWV. See page
> 2-5 for the chart. Auxilliary crystal is always 11.1 Mhz higher
> than the low end of the band you want to cover.
> I have a full set of crystals in my R4B to use with my T4XB
> for WARC bands and extension of 10 Meters. I wish now I had also
> bought the extra crystals for the transmitter for 10 Meters but
> the transceive function works fine on all bands.
>
> On 3/21/2018 7:18 PM, Ted TSRWVCOMM@... [DrakeRadio] wrote:
>>
>> Dear all:
>>
>> Here's a perhaps funny question.
>>
>> What crystal needs to be in the r4c in order to use the c line
>> twins as a transceiver on 10.1030 MHz (assuming the t4xc has no
>> crystal for 30 m operation), and what should the RF band and
>> preselector settings be on the r4c and t4xc?
>>
>> On one of my c line's, I can get the crystal to receive at 10.100
>> MHz in one of 2 settings (swapping the band and preselector
>> settings between 20 and 40m), but the T4XC only seems to put RF
>> power out in one setting (when the transceiver mode is set to
>> RCVR), but it's not transmitting on 10.100 (I have no idea where
>> it's transmitting).
>>
>> Any help Appreciated . 73 ted N9NB

>>
>> Sent from smartphone, please excuse typos
>>
>> On Mar 21, 2018, at 9:49 PM, ve3fwf@...
>> <mailto:ve3fwf@...> [DrakeRadio]
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
>> wrote:
>>
>>> I have updated the RF levels table for the Drake T-4XC in the
>>> VE3FWF folder in the Files section of this site.
>>>
>>> There are 3 file types (.doc, .rtf and .pdf) you can choose to
>>> download.
>>>
>>> If you have corrections and/or additions, please contact me.
>>>
>>> I would like make a similar table for? the TR-4 radios next.
>>>
>>> If anyone has a starting point, please let me know.
>>>
>>> 73, Bernie
>>>
>>
>>

43868. WTB: Sherwood Engineering CW Roofing Filter for R-4C

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 03:45:03 UTC
From: s_line_guy@...
Topic: 43868 Message: 43868

I'm looking for a Sherwood Engineering 600 Hz 6-Pole First-IF CW roofing filter for the Drake R-4C. Prefer someone willing to sell one that they never got around to installing, rather than a filter that's been removed from a radio.

Dave
(312) 320-4319

KD9BWP@arrl.net

43869. RE: [DrakeRadio] WTB: Sherwood Engineering CW Roofing Filter for R-4C

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 12:38:07 UTC
From: Bob Novas
Topic: 43868 Message: 43869
Attachments: 1 described; binary payloads are missing from this source WARC

Dave - the “whole enchilada” to install the 600Hz roofing filter and keep the old filter:

1) CF-600/6 CW Roofing Filter ($135)

1) Two filter switch kit with four sockets ($125) (PC board with mini-relays)

1) Labor, install roofing filter and kit ($49)

1) FPS-4 Front panel switch for roofing filter and upgraded AGC ($69)

1) Labor, install FPS-4 ($49)

The attached picture shows the coaxial switch for filter/agc where the old agc switch used to be. The links below show pictures of the underside of the R4C where the PC board goes. There are 2 more roofing filters for USB and LSB that are unobtainium.

There is another 8-pole filter available to replace the 5645MHz 4 Pole Crystal Filter after the 1st IF in either 6KHz or 8KHz bandwidth - https://www.inrad.net/home.php?cat=100. It’s tough to fit.

https://groups.yahoo.com/neo/groups/DrakeRadio/photos/photostream/lightbox/140138951?orderBy=mtime <https://groups.yahoo.com/neo/groups/DrakeRadio/photos/photostream/lightbox/140138951?orderBy=mtime&sortOrder=desc&photoFilter=ALL#zax/1559552210>
&sortOrder=desc&photoFilter=ALL#zax/1559552210

https://groups.yahoo.com/neo/groups/DrakeRadio/photos/photostream/lightbox/140138951?orderBy=mtime <https://groups.yahoo.com/neo/groups/DrakeRadio/photos/photostream/lightbox/140138951?orderBy=mtime&sortOrder=desc&photoFilter=ALL#zax/214812470>
&sortOrder=desc&photoFilter=ALL#zax/214812470

https://groups.yahoo.com/neo/groups/DrakeRadio/photos/photostream/lightbox/140138951?orderBy=mtime <https://groups.yahoo.com/neo/groups/DrakeRadio/photos/photostream/lightbox/140138951?orderBy=mtime&sortOrder=desc&photoFilter=ALL#zax/140138951>
&sortOrder=desc&photoFilter=ALL#zax/140138951

Bob - W3DK

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Wednesday, March 21, 2018 11:45 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] WTB: Sherwood Engineering CW Roofing Filter for R-4C

I'm looking for a Sherwood Engineering 600 Hz 6-Pole First-IF CW roofing filter for the Drake R-4C. Prefer someone willing to sell one that they never got around to installing, rather than a filter that's been removed from a radio.

Dave
(312) 320-4319

KD9BWP@...

43870. B-Line Side Tone Misery

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 13:22:45 UTC
From: tom.hellem@...
Topic: 43870 Message: 43870

Fellow Drakesters:
The side tone on my recently resurrected B-Line sounds like a loud mosquito buzzing in my ear. It's pretty lame. I had a C-Line many years ago and if I remember correctly it was equally terrible.
Anybody have a fix for this?

Tom
K0SN
Missoula, MT

43871. Re: [DrakeRadio] B-Line Side Tone Misery

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 13:32:38 UTC
From: rar100
Topic: 43870 Message: 43871

…..an outboard keyer…hi,hi

Rick
W9WS

> On Mar 22, 2018, at 8:22 AM, tom.hellem@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Fellow Drakesters:
>
> The side tone on my recently resurrected B-Line sounds like a loud
>
> mosquito buzzing in my ear. It's pretty lame. I had a C-Line many years ago
>
> and if I remember correctly it was equally terrible.
>
> Anybody have a fix for this?
>
>
>
> Tom
>
> K0SN
>
> Missoula, MT
>
>
>

43872. Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 14:16:45 UTC
From: Paul K.
Topic: 43717 Message: 43872

Yes! Time to move on to groups.io

73

PK

--
Paul K. WA0BAG

43873. Re: [DrakeRadio] Re: Time to drop Yahoo Groups?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 16:02:41 UTC
From: Jose Luis
Topic: 43717 Message: 43873

If you leave, bye.

73
Jose - ea4yd

2018-03-22 15:16 GMT+01:00 'Paul K.' hglent@... [DrakeRadio] <
DrakeRadio@yahoogroups.com>:

>
>
> Yes! Time to move on to groups.io
>
> 73
>
> PK
> --
> Paul K. WA0BAG
>
>
>

43874. Re: [DrakeRadio] B-Line Side Tone Misery

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 18:54:18 UTC
From: Richard Knoppow
Topic: 43870 Message: 43874

The side tone is the same oscillator arrangement used for
Tune. The tone is fed directly into the primary of the R4B output
transformer through a decoupling cap. This is the same line as
used for Anti-Vox and the level is controlled by the same pot
that adjusts the anti-vox. That means that most of the time you
must change the setting of the anti-vox pot when going between CW
and phone.
I hear the same thing on my Twins, the side tone sounds
distorted but gets better when the level is reduced.
I thought I saw a mod to address this but the only one I
could find was for eliminating side tone in standby on the T4C. I
looked at my files on Drake stuff and will again but could not
find another mod.
I think in the C line there is a separate adjustment for side
tone level but the source is the same.
On 3/22/2018 6:22 AM, tom.hellem@... [DrakeRadio] wrote:
>
>
> Fellow Drakesters:
>
> The side tone on my recently resurrected B-Line sounds like a loud
>
> mosquito buzzing in my ear. It's pretty lame. I had a C-Line many
> years ago
>
> and if I remember correctly it was equally terrible.
>
> Anybody have a fix for this?
>
>
> Tom
>
> K0SN
>
> Missoula, MT
1oldlens1@...
WB6KBL

43875. Need Plug....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 19:23:42 UTC
From: Joe
Topic: 43875 Message: 43875

...for the VOX/Relay socket. I can't find mine. This is the 2 pronged plug used so a non-Drake exciter can key the L-4B amplifier.

Not real excited about paying @25.00 for one on eBay.

You gots? I needs!

How much?

Thanks

Joe - W7RKN

43876. Re: [DrakeRadio] Need Plug....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 19:44:40 UTC
From: Brian Smith
Topic: 43875 Message: 43876

I swapped mine over to the RCA jack on my L4-B. There’s a lot on the Harbach website I believe. If you’re interested and can’t find it, let me know. It’s less than $10

Brian Smith

> On Mar 22, 2018, at 2:23 PM, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> ...for the VOX/Relay socket. I can’t find mine. This is the 2 pronged plug used so a non-Drake exciter can key the L-4B amplifier.
>
>
>
> Not real excited about paying @25.00 for one on eBay.
>
>
>
> You gots? I needs!
>
>
>
> How much?
>
>
>
> Thanks
>
>
>
> Joe – W7RKN
>
>

43877. RE: [DrakeRadio] Need Plug....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 20:14:16 UTC
From: Joe
Topic: 43875 Message: 43877

Yeah, I considered doing that, but then I would have to modify the Drake radios too, and I want to avoid that, if possible. I only want to use the L-4B until I finger out what is wrong with my L7, then the 4 goes back on the wall with the B's, and C's, and 7 goes back on my main radio.

Thanks for the suggestion!!

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Need Plug....

I swapped mine over to the RCA jack on my L4-B. There's a lot on the Harbach website I believe. If you're interested and can't find it, let me know. It's less than $10

Brian Smith

43878. Re: [DrakeRadio] B-Line Side Tone Misery

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 20:33:57 UTC
From: Steve Wedge
Topic: 43870 Message: 43878

I looked into this years ago and the bottom line was that it really wasn't worth the trouble. Get a keyer with an adjustable sidetone or learn to live with the "personality". The tone doesn't really match the pitch but it's close. For some reason, hams back then apparently thought that 800-1000 Hz was a nice pitch to listen to.

73,

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Thu, Mar 22, 2018 at 2:54 PM, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

> The side tone is the same oscillator arrangement used for
> Tune. The tone is fed directly into the primary of the R4B output
> transformer through a decoupling cap. This is the same line as
> used for Anti-Vox and the level is controlled by the same pot
> that adjusts the anti-vox. That means that most of the time you
> must change the setting of the anti-vox pot when going between CW
> and phone.
> I hear the same thing on my Twins, the side tone sounds
> distorted but gets better when the level is reduced.
> I thought I saw a mod to address this but the only one I
> could find was for eliminating side tone in standby on the T4C. I
> looked at my files on Drake stuff and will again but could not
> find another mod.
> I think in the C line there is a separate adjustment for side
> tone level but the source is the same.
> On 3/22/2018 6:22 AM, tom.hellem@... [DrakeRadio] wrote:
> >
> >
> > Fellow Drakesters:
> >
> > The side tone on my recently resurrected B-Line sounds like a loud
> >
> > mosquito buzzing in my ear. It's pretty lame. I had a C-Line many
> > years ago
> >
> > and if I remember correctly it was equally terrible.
> >
> > Anybody have a fix for this?
> >
> >
> > Tom

> >
> > K0SN
> >
> > Missoula, MT
> 1oldlens1@...
> WB6KBL
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> Yahoo Groups Links
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43879. Re: [DrakeRadio] B-Line Side Tone Misery

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 21:14:22 UTC
From: Richard Knoppow
Topic: 43870 Message: 43879

The "preferred" CW tone seems to have been right around 1000 Hz from the beginning except for rotary spark which was usually around 500 hz. One of the earliest patents for headphones gives the reason for using 1000 hz as the resonance as its being about the center of maximum sensitivity of the ear. USP 1273351, the familiar Western Electric type.
I personally find that being able to vary the frequency is helpful in keeping my ear from becoming fatigued. However, I think the side tone was something of a makeshift included as a sales feature. Making it variable in frequency would have complicated it too much. Drake did make the level independent of the anti-vox in the C line. The main advantage of having a side tone is when you are working with send and receive on different frequencies. Otherwise you can monitor your tranmission by turning the muting off and turning the anti-vox all the way down or disconnecting it, a bother. You can use a keyer but I never liked keyers. If you can sample the RF you can also use a simple code-practice oscillator. Some, like the Bud Codemaster, were arranged for this purpose but assumed you could get to keyed RF easily. Another problem with a keyer or the practice oscillator is mixing the output with the receiver when one is using headphones. Probably not a big deal but one more thing to worry about.
I am not sure how good a waveform the T4 internal oscillator produces, I never bothered to look at it on a scope and my good scope is waiting for me to fix it. Mine sounds like its putting out something like a sawtooth, lots of harmonics, but gets better as the level is lowered. Its possible the distortion is taking place in the audio output stage in some odd way. FWIW, the waveform out of my Bud Codemaster is not exactly pure either.
I doubt if spark transmitters needed side tone, they weren't called rock crushers for nothing.

On 3/22/2018 1:33 PM, Steve Wedge wrote:
> I looked into this years ago and the bottom line was that it
> really wasn't worth the trouble.? Get a keyer with an adjustable
> sidetone or learn to live with the "personality".? The tone
> doesn't really match the pitch but it's close.? For some reason,
> hams back then apparently thought that 800-1000 Hz was a nice
> pitch to listen to.
>
> 73,
>
>
> Steve Wedge, W1ES/4

>
> Time flies like an arrow; fruit flies like a banana.
>
> On Thu, Mar 22, 2018 at 2:54 PM, Richard Knoppow
> 1oldlens1@... <mailto:1oldlens1@...>
> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
> ? ? The side tone is the same oscillator arrangement used for
> Tune. The tone is fed directly into the primary of the R4B output
> transformer through a decoupling cap. This is the same line as
> used for Anti-Vox and the level is controlled by the same pot
> that adjusts the anti-vox. That means that most of the time you
> must change the setting of the anti-vox pot when going between CW
> and phone.
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> distorted but gets better when the level is reduced.
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> could find was for eliminating side tone in standby on the T4C. I
> looked at my files on Drake stuff and will again but could not
> find another mod.
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> On 3/22/2018 6:22 AM, tom.hellem@...
> <mailto:tom.hellem@...> [DrakeRadio] wrote:
> >
> >
> > Fellow Drakesters:
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> > The side tone on my recently resurrected B-Line sounds like a loud
> >
> > mosquito buzzing in my ear. It's pretty lame. I had a C-Line many
> > years ago
> >
> > and if I remember correctly it was equally terrible.
> >
> > Anybody have a fix for this?
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> > Tom
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> > Missoula, MT
> 1oldlens1@... <mailto:1oldlens1@...>
> WB6KBL
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> Yahoo Groups Links
>
>
> ? ? (Yahoo! ID required)
>
> DrakeRadio-fullfeatured@yahoogroups.com
> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43880. Re: [DrakeRadio] B-Line Side Tone Misery

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 21:31:22 UTC
From: Richard Knoppow
Topic: 43870 Message: 43880

A FWIW, regarding my last post, the design of the old WE headphone was meant to optimize it for speech, i.e. telephone use. As it turns out the frequencies of interest also work for CW. I am not so sure the hams of old (whenever that was) liked 1 Khz best but perhaps didn't have a lot of choice.
BTW, Collins had a side tone generator in the first couple of versions of the 32V but dropped it in the 32V-3 because it made it too difficult to shield it for TVI (remember that?). I guess the RF leaked out of the connections.

On 3/22/2018 1:33 PM, Steve Wedge wrote:
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43881. Re: Back-up Update

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 22:09:57 UTC
From: johng101501@...
Topic: 43849 Message: 43881

I can see your point - if the move isn't needed- but we aren't because " i said so " is mighty closed minded. Being there are a lot of members , I wonder what a vote would turn up. I can take it either way- but I call it like i see it.

43882. Re: [DrakeRadio] Re: Back-up Update

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 22:36:07 UTC
From: Jeffrey Angus
Topic: 43849 Message: 43882

On 3/22/18 5:09 PM, johng101501@... wrote:
> I can see your point - if the move isn't needed- but we aren't
> because " i said so " is mighty closed minded. Being there are
> a lot of members , I wonder what a vote would turn up. I can
> take it either way- but I call it like i see it.
This is not a democracy, this is a list run by the administrator.

Much like freedom of the press.
Him what has the press has the freedom to print what he wants.
He doesn't have to print anything somebody else wants.

And much like being the one with the press, if y'all want to go to
.io, nobody's stopping you. Start your own version of a Drake
Forum.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43883. Re: Back-up Update

Yahoo group: DrakeRadio (2018)
Date: 2018-03-22 23:34:44 UTC
From: johng101501@...
Topic: 43849 Message: 43883

Gee Jeff- Thanks for the explanation , Are you an administrator too? I have a right to my opinion just as you do. Never said I wanted to start my own group.

43884. Re: [DrakeRadio] Re: Back-up Update

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 00:39:16 UTC
From: Jeffrey Angus
Topic: 43849 Message: 43884

On 3/22/18 6:34 PM, johng101501@... wrote:
>
> Gee Jeff- Thanks for the explanation , Are you an administrator
> too?
>
You're welcome and yes I am, but not on this group.
>
> I have a right to my opinion just as you do.
>
Never said you didn't.
>
> Never said I wanted to start my own group.
>
No, but you questioned what if a vote was taken.
Joe took a vote. It was 1 to 0 in favor of staying here.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

43885. Does anyone have a table of RF levels for the TR-4?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 00:47:27 UTC
From: ve3fwf@...
Topic: 43885 Message: 43885

Does a table of RF levels for the TR-4 exist?

Perhaps someone may want to share their notes? I can do the formatting.

No use duplicating effort.

Thanks for reading.

73, Bernie, VE3FWF

43886. Running R4C on 30 meters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 00:57:06 UTC
From: Ted Rappaport N9NB
Topic: 43886 Message: 43886
Attachments: 3 described; binary payloads are missing from this source WARC

Thanks to everyone for their help.

I figured it out by trial and error, since I don't have a freq. counter or a second RX at my NC QTH.

Turns out that the R4C is able to hear about equally well on 10.103 MHz when swapping the band/preselector settings between 20 and 40m (e.g. I am surprised about the comparable receive quality when putting the preselector on 14 MHz while using the band switch in 40 meters, even though that's not what the manual says to do). Consulting the R4C manual (as many of you advised) yielded the proper setting, instructing me to put the band switch on 14 MHz and the preselector on 7 MHz (around 5). Still, I was continually surprised how similarly the RX performed when putting the band switch on 7 MHz and the preselector around 14 MHz.

The transmitter was much more tricky, as there are 3 different preselector settings that give substantial RF output when putting the T4XC band switch on 14 MHz (!) and using the receiver for transceiver operation. I don't have a clue what frequencies were emitted using the other 2 preselector settings, but the proper T4XC setting, for using the R4C as a transceiver, was for the preselector to be around or just below 5 (just below 40 meters on the preselector) with the band switch set to 20 meters. The T4XC manual indicated this was the proper approach, but didn't say how there would be many other possible settings that deliver substantial RF output.

Thanks to all for the help. I was able to work 3C0W finally on 10 MHz.

73 ted n9nb

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Thursday, March 22, 2018 1:16 AM
To: DrakeRadio@yahoogroups.com; ve3fwf@...
Subject: Re: [DrakeRadio] Re: RF signal levels for a Drake T-4XC

You might want to check the T4XC manual. It says to use a 20.8mhz crystal for 10.0 - 10.2 use and to read dial as if starting from 9.7mhz. It also lists ranges that the T4XC is not to be used on with various crystals (like 9.9 -10.0mhz). Yes the R4C can cover a lot of those frequencies and using the 11.1+ band bottom = xtal frequency but you have to be a bit more careful when trying to use the T4XC and transmitting using the R4any to transceive to make sure you are not going to be generating spurs where you don't want them. It is not a straight forward exercise so be sure and follow the manual. Drake engineers did know what they were doing.

Good luck.

Jim Pruitt
WA7DUY

On 3/21/2018 8:20 PM, Richard Knoppow 1oldlens1@... [DrakeRadio]
wrote:

Same as the R4B, 21.1 Mhz will cover from 10Mhz to 10.5Mhz
with band switch set on 14 Mhz. This also gives you WWV. See page
2-5 for the chart. Auxilliary crystal is always 11.1 Mhz higher
than the low end of the band you want to cover.
I have a full set of crystals in my R4B to use with my T4XB
for WARC bands and extension of 10 Meters. I wish now I had also
bought the extra crystals for the transmitter for 10 Meters but
the transceive function works fine on all bands.

On 3/21/2018 7:18 PM, Ted TSRWVCOMM@... [DrakeRadio] wrote:

Dear all:

Here's a perhaps funny question.

What crystal needs to be in the r4c in order to use the c line
twins as a transceiver on 10.1030 MHz (assuming the t4xc has no
crystal for 30 m operation), and what should the RF band and
preselector settings be on the r4c and t4xc?

On one of my c line's, I can get the crystal to receive at 10.100
MHz in one of 2 settings (swapping the band and preselector
settings between 20 and 40m), but the T4XC only seems to put RF
power out in one setting (when the transceiver mode is set to
RCVR), but it's not transmitting on 10.100 (I have no idea where
it's transmitting).

Any help Appreciated . 73 ted N9NB

Sent from smartphone, please excuse typos

On Mar 21, 2018, at 9:49 PM, ve3fwf@...
<mailto:ve3fwf@...> <mailto:ve3fwf@...> [DrakeRadio]
<DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
<mailto:DrakeRadio@yahoogroups.com>>
wrote:

I have updated the RF levels table for the Drake T-4XC in the
VE3FWF folder in the Files section of this site.

There are 3 file types (.doc, .rtf and .pdf) you can choose to
download.

If you have corrections and/or additions, please contact me.

I would like make a similar table for the TR-4 radios next.

If anyone has a starting point, please let me know.

73, Bernie

43887. Regarding A Move

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 01:27:19 UTC
From: Joe
Topic: 43887 Message: 43887

Let’s end this right now. I appreciate the thoughts and suggestions about moving.

Last time I want to say this.

I AM NOT MOVING THE GROUP.

As an FYI, someone has already started a DrakeRadio group on I.O. If anyone wishes to go there, feel free to do so.

If we start having major issues here, then I might consider a move, but until then……

No more discussion on the topic. Fini!

Joe Wolfe – W7RKN

Owner/Moderator

43888. Re: [DrakeRadio] Regarding A Move

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 01:30:02 UTC
From: Bill Leal
Topic: 43887 Message: 43888

Thank you!

From: "Joe w7rkn.7@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com; johng101501@...
Sent: Thursday, March 22, 2018 9:27 PM
Subject: [DrakeRadio] Regarding A Move

Let’s end this right now. I appreciate the thoughts and suggestions about moving. Last time I want to say this. I AM NOT MOVING THE GROUP. As an FYI, someone has already started a DrakeRadio group on I.O. If anyone wishes to go there, feel free to do so. If we start having major issues here, then I might consider a move, but until then…… No more discussion on the topic. Fini! Joe Wolfe – W7RKNOwner/Moderator

43889. RE: [DrakeRadio] WTB: Sherwood Engineering CW Roofing Filter for R-4C

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 01:39:59 UTC
From: s_line_guy@...
Topic: 43868 Message: 43889

Thank you, Bob.

Dave

43890. Re: [DrakeRadio] Running R4C on 30 meters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 01:49:00 UTC
From: Richard Knoppow
Topic: 43886 Message: 43890

FWIW, with my B twins I can get substantial response from the
extra crystals at several points but using the crystal calibrator
as a check it turns out that some of them are not calibrated
frequencies and there is a difference in strength from others.
For instance, the crystal I have for 30 Meters will hear WWV at
at least two settings but its much stronger at the "correct" one
with the band switch on 20 meters and the preselector tuned
somewhat above 40 meters. I never checked to see what I got in
transmitting on the "wrong" setting but get normal output on the
expected frequency on the correct one. Plate tuning may give you
some clue about output frequencies. Tune up at the "correct"
setting and then back the drive down and try the other. You
should get a plate dip in the same place if the output frequency
is as expected. This is the sort of thing where an auxiliary
receiver or even a grid dip meter is helpful. I think I
understand why this happens but need to think it out before
trying to explain it to someone else.
At the time I got the auxiliary crystal for 10 Mhz I think I
mainly wanted WWV but realized that it would also give me 30 meters.
If the preselector circuits in both receiver and transmitter
will tune the same frequency in two bands there may well be a
difference in sharpness or efficiency between the two.
Also, I don't have a C version of either receiver or
transmitter. The transmitter is virtually the same as the B but
the receiver is quite different and I have run afoul of
forgetting just how different they are.

On 3/22/2018 5:57 PM, 'Ted Rappaport N9NB' TSRWVCOMM@...
[DrakeRadio] wrote:
>
>
> Thanks to everyone for their help.
>
> I figured it out by trial and error, since I don?t have a freq.
> counter or a second RX at my NC QTH.
>
> Turns out that the R4C is able to hear about equally well on
> 10.103 MHz when swapping the band/preselector settings between 20
> and 40m (e.g. I am surprised about the comparable receive quality
> when putting the preselector on 14 MHz while using the band
> switch in 40 meters, even though that?s not what the manual says
> to do). ?Consulting the R4C manual (as many of you advised)
> yielded the proper setting, instructing me to put the band switch
> on 14 MHz and the preselector on 7 MHz (around 5). Still, I was
> continually surprised how similarly the RX performed when putting

> the band switch on 7 MHz and the preselector around 14 MHz.
>
> The transmitter was much more tricky, as there are 3 different
> preselector settings that give substantial RF output when putting
> the T4XC band switch on 14 MHz (!) and using the receiver for
> transceiver operation. ?I don?t have a clue what frequencies were
> emitted using the other 2 preselector settings, but the proper
> T4XC setting, for using the R4C as a transceiver, ?was for the
> preselector to be around or just below 5 (just below 40 meters on
> the preselector) with the band switch set to 20 meters. ?The T4XC
> manual indicated this was the proper approach, but didn?t say how
> there would be many other possible settings that deliver
> substantial RF output.
>
> Thanks to all for the help. I was able to work 3C0W finally on 10
> MHz.
>
> 73 ted n9nb

--
Richard Knoppow
1oldlens1@...
WB6KBL

43891. Re: Running R4C on 30 meters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 01:49:03 UTC
From: Ham Radio
Topic: 43886 Message: 43891

Excellent, Ted.

You might want to consider picking up a small Chinese counter on eBay – they cost about $8.00 delivered. Handy to have in the shack. You can also use it for a digital display on your Drake R-4C radio by connecting the counter to the INJ plug using an RCA splitter jack.

73, Bernie

Sent from my iPad

> On Mar 22, 2018, at 8:57 PM, Ted Rappaport N9NB <tsrwvcomm@...> wrote:
>
> Thanks to everyone for their help.
>
> I figured it out by trial and error, since I don't have a freq. counter or a second RX at my NC QTH.
>
> Turns out that the R4C is able to hear about equally well on 10.103 MHz when swapping the band/preselector settings between 20 and 40m (e.g. I am surprised about the comparable receive quality when putting the preselector on 14 MHz while using the band switch in 40 meters, even though that's not what the manual says to do). Consulting the R4C manual (as many of you advised) yielded the proper setting, instructing me to put the band switch on 14 MHz and the preselector on 7 MHz (around 5). Still, I was continually surprised how similarly the RX performed when putting the band switch on 7 MHz and the preselector around 14 MHz.
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> Thanks to all for the help. I was able to work 3C0W finally on 10 MHz.
> 73 ted n9nb
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Sent: Thursday, March 22, 2018 1:16 AM
> To: DrakeRadio@yahoogroups.com; ve3fwf@...
> Subject: Re: [DrakeRadio] Re: RF signal levels for a Drake T-4XC
>
>
> You might want to check the T4XC manual. It says to use a 20.8mhz crystal for 10.0 - 10.2 use and to read dial as if starting from 9.7mhz. It also lists ranges that the T4XC is not to be used on with various crystals (like 9.9 -10.0mhz). Yes the R4C can cover a lot of

those frequencies and using the 11.1+ band bottom = xtal frequency but you have to be a bit more careful when trying to use the T4XC and transmitting using the R4any to transceive to make sure you are not going to be generating spurs where you don't want them. It is not a straight forward exercise so be sure and follow the manual. Drake engineers did know what they were doing.
>
> Good luck.
>
> Jim Pruitt
> WA7DUY
>
>
> On 3/21/2018 8:20 PM, Richard Knoppow 1oldlens1@... [DrakeRadio] wrote:
> Same as the R4B, 21.1 Mhz will cover from 10Mhz to 10.5Mhz
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> 2-5 for the chart. Auxilliary crystal is always 11.1 Mhz higher
> than the low end of the band you want to cover.
> I have a full set of crystals in my R4B to use with my T4XB
> for WARC bands and extension of 10 Meters. I wish now I had also
> bought the extra crystals for the transmitter for 10 Meters but
> the transceive function works fine on all bands.
>
> On 3/21/2018 7:18 PM, Ted TSRWVCOMM@... [DrakeRadio] wrote:
>
>
> Dear all:
>
> Here's a perhaps funny question.
>
> What crystal needs to be in the r4c in order to use the c line
> twins as a transceiver on 10.1030 MHz (assuming the t4xc has no
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> preselector settings be on the r4c and t4xc?
>
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> RCVR), but it's not transmitting on 10.100 (I have no idea where
> it's transmitting).
>
> Any help Appreciated . 73 ted N9NB
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> Sent from smartphone, please excuse typos
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> <mailto:ve3fwf@rogers.com> [DrakeRadio]
> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
> wrote:
>
>

> I have updated the RF levels table for the Drake T-4XC in the
> VE3FWF folder in the Files section of this site.
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> There are 3 file types (.doc, .rtf and .pdf) you can choose to
> download.
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> If you have corrections and/or additions, please contact me.
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> I would like make a similar table for the TR-4 radios next.
>
> If anyone has a starting point, please let me know.
>
> 73, Bernie
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43892. Re: [DrakeRadio] Re: Running R4C on 30 meters

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 01:56:16 UTC
From: MadScientist1948
Topic: 43886 Message: 43892

Several bands on the “4” line will produce multiple output peaks on the preselector/drive tuning because you are tuning to various mixer products. That is why Drake marked the band segments on the preselector dial…

> On Mar 22, 2018, at 8:49 PM, Ham Radio ve3fwf@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Excellent, Ted.
>
>
> You might want to consider picking up a small Chinese counter on eBay – they cost about $8.00 delivered. Handy to have in the shack. You can also use it for a digital display on your Drake R-4C radio by connecting the counter to the INJ plug using an RCA splitter jack.
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> 73, Bernie
>
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> Sent from my iPad
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>> Thanks to everyone for their help.
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>>
>> The transmitter was much more tricky, as there are 3 different preselector settings that

give substantial RF output when putting the T4XC band switch on 14 MHz (!) and using the receiver for transceiver operation. I don’t have a clue what frequencies were emitted using the other 2 preselector settings, but the proper T4XC setting, for using the R4C as a transceiver, was for the preselector to be around or just below 5 (just below 40 meters on the preselector) with the band switch set to 20 meters. The T4XC manual indicated this was the proper approach, but didn’t say how there would be many other possible settings that deliver substantial RF output.
>>
>>
>>
>> Thanks to all for the help. I was able to work 3C0W finally on 10 MHz.
>>
>>
>> 73 ted n9nb
>>
>>
>> From: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
[mailto:DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>]
>> Sent: Thursday, March 22, 2018 1:16 AM
>> To: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>; ve3fwf@...
<mailto:ve3fwf@...>
>> Subject: Re: [DrakeRadio] Re: RF signal levels for a Drake T-4XC
>>
>>
>>
>>
>>
>> You might want to check the T4XC manual. It says to use a 20.8mhz crystal for 10.0 - 10.2 use and to read dial as if starting from 9.7mhz. It also lists ranges that the T4XC is not to be used on with various crystals (like 9.9 -10.0mhz). Yes the R4C can cover a lot of those frequencies and using the 11.1+ band bottom = xtal frequency but you have to be a bit more careful when trying to use the T4XC and transmitting using the R4any to transceive to make sure you are not going to be generating spurs where you don't want them. It is not a straight forward exercise so be sure and follow the manual. Drake engineers did know what they were doing.
>>
>> Good luck.
>>
>> Jim Pruitt
>> WA7DUY
>>
>>
>> On 3/21/2018 8:20 PM, Richard Knoppow 1oldlens1@... <mailto:1oldlens1@...> [DrakeRadio] wrote:
>>
>> Same as the R4B, 21.1 Mhz will cover from 10Mhz to 10.5Mhz
>> with band switch set on 14 Mhz. This also gives you WWV. See page
>> 2-5 for the chart. Auxilliary crystal is always 11.1 Mhz higher
>> than the low end of the band you want to cover.
>> I have a full set of crystals in my R4B to use with my T4XB
>> for WARC bands and extension of 10 Meters. I wish now I had also

>> bought the extra crystals for the transmitter for 10 Meters but
>> the transceive function works fine on all bands.
>>
>> On 3/21/2018 7:18 PM, Ted TSRWVCOMM@... <mailto:TSRWVCOMM@...m> [DrakeRadio] wrote:
>>
>>
>> Dear all:
>>
>> Here's a perhaps funny question.
>>
>> What crystal needs to be in the r4c in order to use the c line
>> twins as a transceiver on 10.1030 MHz (assuming the t4xc has no
>> crystal for 30 m operation), and what should the RF band and
>> preselector settings be on the r4c and t4xc?
>>
>> On one of my c line's, I can get the crystal to receive at 10.100
>> MHz in one of 2 settings (swapping the band and preselector
>> settings between 20 and 40m), but the T4XC only seems to put RF
>> power out in one setting (when the transceiver mode is set to
>> RCVR), but it's not transmitting on 10.100 (I have no idea where
>> it's transmitting).
>>
>> Any help Appreciated . 73 ted N9NB
>>
>> Sent from smartphone, please excuse typos
>>
>> On Mar 21, 2018, at 9:49 PM, ve3fwf@... <mailto:ve3fwf@...>
>> <mailto:ve3fwf@rogers.com> <mailto:ve3fwf@...> [DrakeRadio]
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
<mailto:DrakeRadio@yahoogroups.com> <mailto:DrakeRadio@yahoogroups.com>>
>> wrote:
>>
>>
>> I have updated the RF levels table for the Drake T-4XC in the
>> VE3FWF folder in the Files section of this site.
>>
>> There are 3 file types (.doc, .rtf and .pdf) you can choose to
>> download.
>>
>> If you have corrections and/or additions, please contact me.
>>
>> I would like make a similar table for the TR-4 radios next.
>>
>> If anyone has a starting point, please let me know.
>>
>> 73, Bernie
>>
>>
>>
>>

>>
>>
>>
>>
>
>
>

43893. Re: [DrakeRadio] Need Plug....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 02:09:47 UTC
From: Kc9cdt@...
Topic: 43875 Message: 43893

Sold 2 for $15 last week, but none left.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Joe w7rkn.7@gmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Thu, Mar 22, 2018 3:41 pm
Subject: [DrakeRadio] Need Plug....

...for the VOX/Relay socket. I can’t find mine. This is the 2 pronged plug used so a non-Drake exciter can key the L-4B amplifier.

Not real excited about paying @25.00 for one on eBay.

You gots? I needs!

How much?

Thanks

Joe – W7RKN

43894. Re: [DrakeRadio] Need Plug....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 02:28:03 UTC
From: Stan Gammons
Topic: 43875 Message: 43894
Attachments: 1 described; binary payloads are missing from this source WARC

One of these?

73

Stan
KM4HQE

On 03/22/2018 02:23 PM, Joe w7rkn.7@... [DrakeRadio] wrote:
>
> ...for the VOX/Relay? socket.? I can?t find mine.? This is the 2
> pronged plug used so a non-Drake exciter can key the L-4B amplifier.
>
> Not real excited about paying @25.00 for one on eBay.
>
> You gots?? I needs!
>
> How much?
>
> Thanks
>
> Joe ? W7RKN
>
>
> --
>

43895. Re: [DrakeRadio] Need Plug....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 03:40:47 UTC
From: Howard Traxler
Topic: 43875 Message: 43895

You say:
"This is the 2 pronged plug used so a non-Drake exciter can key the L-4B amplifier."

'tseems like you might mean Drake exciter? The two-prong plug has a mating female on the back of the AC-4 power supply. The cord I have has an RCA plug on the other end which I used to key my Clipperton L. This cord is certainly available if I can find it again.

73, de Howard, WA9RYF

----- Original Message -----
From: Kc9cdt@... [DrakeRadio]
To: DrakeRadio@yahoogroups.com ; w7rkn.7@...
Sent: Thursday, March 22, 2018 9:09 PM
Subject: Re: [DrakeRadio] Need Plug....

Sold 2 for $15 last week, but none left.

73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Thu, Mar 22, 2018 3:41 pm
Subject: [DrakeRadio] Need Plug....

...for the VOX/Relay socket. I can’t find mine. This is the 2 pronged plug used so a non-Drake exciter can key the L-4B amplifier.

Not real excited about paying @25.00 for one on eBay.

You gots? I needs!

How much?

Thanks

Joe – W7RKN

43896. RE: [DrakeRadio] Need Plug.... [1 Attachment]

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 05:42:41 UTC
From: Joe
Topic: 43875 Message: 43896

Yup..dats da one!

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Need Plug.... [1 Attachment]

One of these?

73

Stan
KM4HQE

On 03/22/2018 02:23 PM, Joe w7rkn.7@... [DrakeRadio] wrote:

...for the VOX/Relay socket. I can't find mine. This is the 2 pronged
plug used so a non-Drake exciter can key the L-4B amplifier.

Not real excited about paying @25.00 for one on eBay.

You gots? I needs!

How much?

Thanks

Joe - W7RKN

43897. Re: [DrakeRadio] Need Plug....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 06:15:54 UTC
From: Jim Pruitt
Topic: 43875 Message: 43897

You can make your own.? This page gives one idea for making your own plug:
http://www.zerobeat.net/drakelist/voxrelayplug.html

Good luck.

Jim Pruitt
WA7DUY

On 3/22/2018 10:42 PM, Joe w7rkn.7@... [DrakeRadio] wrote:
>
> Yup..dats da one!
>
> *From:*DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> *Subject:* Re: [DrakeRadio] Need Plug.... [1 Attachment]
>
>
>
> One of these?
>
> 73
>
> Stan
> KM4HQE
>
> On 03/22/2018 02:23 PM, Joe w7rkn.7@...
> <mailto:w7rkn.7@...> [DrakeRadio] wrote:
>
> ...for the VOX/Relay? socket. I can?t find mine.? This is the 2
> pronged plug used so a non-Drake exciter can key the L-4B amplifier.
>
> Not real excited about paying @25.00 for one on eBay.
>
> You gots?? I needs!
>
> How much?
>
> Thanks
>
> Joe ? W7RKN
>
> --
>
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>
>
>

>

43898. Re: [DrakeRadio] Regarding A Move

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 10:01:54 UTC
From: Antimo Masucci
Topic: 43887 Message: 43898

STAND FIRM. don't fix if not broke
On Thursday, March 22, 2018, 9:30:11 p.m. EDT, Bill Leal ve3es@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Thank you!

From: "Joe w7rkn.7@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com; johng101501@...
Sent: Thursday, March 22, 2018 9:27 PM
Subject: [DrakeRadio] Regarding A Move

Let’s end this right now. I appreciate the thoughts and suggestions about moving. Last time I want to say this. I AM NOT MOVING THE GROUP. As an FYI, someone has already started a DrakeRadio group on I.O. If anyone wishes to go there, feel free to do so. If we start having major issues here, then I might consider a move, but until then…… No more discussion on the topic. Fini! Joe Wolfe – W7RKNOwner/Moderator

43899. Re: [DrakeRadio] Regarding A Move

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 12:00:24 UTC
From: Steve Wedge
Topic: 43887 Message: 43899

Thanks, Joe.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Thu, Mar 22, 2018 at 9:27 PM, Joe w7rkn.7@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Let’s end this right now. I appreciate the thoughts and suggestions about
> moving.
>
>
>
> Last time I want to say this.
>
>
>
> *I AM NOT MOVING THE GROUP.*
>
>
>
> As an FYI, someone has already started a DrakeRadio group on I.O. If
> anyone wishes to go there, feel free to do so.
>
>
>
> If we start having major issues here, then I might consider a move, but
> until then……
>
>
>
> No more discussion on the topic. Fini!
>
>
>
> Joe Wolfe – W7RKN
>
> Owner/Moderator
>
>
>

43901. 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 21:42:48 UTC
From: armando martins
Topic: 43901 Message: 43901

Hi everyone and special Paul Knoppow sometime a go here I read that " WHY
CHANGE THE 6JB6 A TO THE 6146 WHEN THE 6GJ5 ARE IDENTICAL
TUBES..Because the original tubes are very difficulty to get I got 3 6GJ6 but
before change the tubes I download the data sheets for both tubes and this
is what I found
6GJ5 the cathode and pin 8 are connected internal and if I just change the
the tubes the cathode will be constant connected to ground yet on 6JB6A
the 3rd grid are down to ground and plate current is though the cathode.
My question did I read the tube reference wrong?????????????
Could the guy that say "JUST REMOVE ONE AND INSERT ANOTHER GIVE
US CLUE ON THIS OR MAYBE PAUL
Best regards
M0PAM

43902. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 22:00:53 UTC
From: MadScientist1948
Topic: 43901 Message: 43902

The 6GK5 tube is 100% interchangeable for use in Drake radios. Pin 8 inside the tube is not connected to ANYTHING so no worries about having the tubes keyed improperly.

I have used them many times with great success, and they are short enough to fit safely into the HV compartment of Drake radios.

Gary

W0DVN

> On Mar 23, 2018, at 4:42 PM, armando martins martins.m0pam@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Hi everyone and special Paul Knoppow sometime a go here I read that " WHY
> CHANGE THE 6JB6 A TO THE 6146 WHEN THE 6GJ5 ARE IDENTICAL
> TUBES..Because the original tubes are very difficulty to get I got 3 6GJ6 but
> before change the tubes I download the data sheets for both tubes and this
> is what I found
> 6GJ5 the cathode and pin 8 are connected internal and if I just change the
> the tubes the cathode will be constant connected to ground yet on 6JB6A
> the 3rd grid are down to ground and plate current is though the cathode.
> My question did I read the tube reference wrong?????????????
> Could the guy that say "JUST REMOVE ONE AND INSERT ANOTHER GIVE
> US CLUE ON THIS OR MAYBE PAUL
> Best regards
> M0PAM
>
>

43903. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 22:11:14 UTC
From: armando martins
Topic: 43901 Message: 43903

Hi Garry
Thanks for let me know I can see where I made the cockup I sort I had
read 6GJ5A and I got 3 from Germany and I can not use it unless I
disconnect pin 8 on the sockets from GROUND.
Where can I get these tubes in USA do you know???????
regards
M0PAM

On Fri, 23/3/18, MadScientist1948 dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:

Subject: Re: [DrakeRadio] 6GJ6A HELP
To: "WB6TNF handyjimbo@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>, "armando martins"
<martins.m0pam@...>
Date: Friday, 23 March, 2018, 22:00

The 6GK5 tube is 100% interchangeable for use in
Drake radios. Pin 8 inside the tube is not connected to
ANYTHING so no worries about having the tubes keyed
improperly.
I have used them many times with
great success, and they are short enough to fit safely
into the HV compartment of Drake radios.
Gary
W0DVN

On Mar 23, 2018, at 4:42 PM,
armando martins martins.m0pam@...
[DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:
Hi everyone and special Paul
Knoppow sometime a go here I read that " WHY
CHANGE THE 6JB6 A TO
THE 6146 WHEN THE 6GJ5 ARE IDENTICAL
TUBES..Because the
original tubes are very difficulty to get I got 3 6GJ6
but
before change the
tubes I download the data sheets for both tubes and
this
is what I found
6GJ5 the cathode and
pin 8 are connected internal and if I just change the
the tubes the
cathode will be constant connected to ground yet on 6JB6A
the 3rd grid are

down to ground and plate current is though the
cathode.
My
question did I read the tube reference wrong?????????????
Could the guy that
say "JUST REMOVE ONE AND INSERT ANOTHER GIVE
US CLUE ON THIS OR
MAYBE PAUL
Best
regards
M0PAM

43904. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 22:23:17 UTC
From: armando martins
Topic: 43901 Message: 43904

On Fri, 23/3/18, MadScientist1948 dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
Hi Garry just try to see if I could find any of these tubes
you mention but or you made a mistake on typing. The
tube you mention 6GK5 is a mini triode. could you please
let me know if it was a mistake
Thanks
M0PAM
Subject: Re: [DrakeRadio] 6GJ6A HELP
To: "WB6TNF handyjimbo@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>, "armando martins" <martins.m0pam@btinternet.com>
Date: Friday, 23 March, 2018, 22:00

The 6GK5 tube is 100% interchangeable for use in
Drake radios. Pin 8 inside the tube is not connected to
ANYTHING so no worries about having the tubes keyed
improperly.
I have used them many times with
great success, and they are short enough to fit safely
into the HV compartment of Drake radios.
Gary
W0DVN

On Mar 23, 2018, at 4:42 PM,
armando martins martins.m0pam@btinternet.com
[DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:
Hi everyone and special Paul
Knoppow sometime a go here I read that " WHY
CHANGE THE 6JB6 A TO
THE 6146 WHEN THE 6GJ5 ARE IDENTICAL
TUBES..Because the
original tubes are very difficulty to get I got 3 6GJ6
but
before change the
tubes I download the data sheets for both tubes and
this
is what I found
6GJ5 the cathode and
pin 8 are connected internal and if I just change the
the tubes the
cathode will be constant connected to ground yet on 6JB6A
the 3rd grid are
down to ground and plate current is though the

cathode.
My
question did I read the tube reference wrong?????????????
Could the guy that
say "JUST REMOVE ONE AND INSERT ANOTHER GIVE
US CLUE ON THIS OR
MAYBE PAUL
Best
regards
M0PAM

43905. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 22:21:49 UTC
From: Rory
Topic: 43901 Message: 43905

Gary did you mean to say the 6GJ5 and not the 6GK5?

N6OIL, Rory

On Fri, Mar 23, 2018 at 3:00 PM, MadScientist1948 dukeshifi@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> The 6GK5 tube is 100% interchangeable for use in Drake radios. Pin 8
> inside the tube is not connected to ANYTHING so no worries about having the
> tubes keyed improperly.
>
> I have used them many times with great success, and they are short enough
> to fit safely into the HV compartment of Drake radios.
>
> Gary
>
> W0DVN
>
>
>
> On Mar 23, 2018, at 4:42 PM, armando martins martins.m0pam@btinternet.com
> [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Hi everyone and special Paul Knoppow sometime a go here I read that " WHY
> CHANGE THE 6JB6 A TO THE 6146 WHEN THE 6GJ5 ARE IDENTICAL
> TUBES..Because the original tubes are very difficulty to get I got 3 6GJ6
> but
> before change the tubes I download the data sheets for both tubes and this
>
> is what I found
> 6GJ5 the cathode and pin 8 are connected internal and if I just change the
>
> the tubes the cathode will be constant connected to ground yet on 6JB6A
> the 3rd grid are down to ground and plate current is though the cathode.
> My question did I read the tube reference wrong?????????????
> Could the guy that say "JUST REMOVE ONE AND INSERT ANOTHER GIVE
> US CLUE ON THIS OR MAYBE PAUL
> Best regards
> M0PAM
>
>
>
>

43906. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 22:38:59 UTC
From: armando martins
Topic: 43901 Message: 43906

Hi Rory I think Gary made a mistake, but having say that I
did a check with my meter on the tube by connecting one
lead to pin 3 and the other on pin 8 and they are connected
internal therefore (THIS IS MY UNDERSTANDING) when
tuning the cathode and grid 3 will be direct to ground
I am correct???????????
M0pam

On Fri, 23/3/18, Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Subject: Re: [DrakeRadio] 6GJ6A HELP
To: DrakeRadio@yahoogroups.com, "MadScientist1948" <dukeshifi@...>
Date: Friday, 23 March, 2018, 22:21

Gary did you mean to say the
6GJ5 and not the 6GK5?
N6OIL, Rory
On Fri, Mar 23, 2018 at
3:00 PM, MadScientist1948 dukeshifi@...
[DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:

The 6GK5 tube is 100% interchangeable for use in
Drake radios. Pin 8 inside the tube is not connected to
ANYTHING so no worries about having the tubes keyed
improperly.
I have used
them many times with great success, and they are short
enough to fit safely into the HV compartment of Drake
radios.
Gary
W0DVN

On Mar 23, 2018,
at 4:42 PM, armando martins martins.m0pam@...
[DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:
Hi everyone and special Paul Knoppow sometime a go
here I read that " WHY
CHANGE THE 6JB6
A TO THE 6146 WHEN THE 6GJ5 ARE IDENTICAL
TUBES..Because the original tubes are very
difficulty to get I got 3 6GJ6 but
before change the tubes I download the data
sheets for both tubes and this
is what I found

6GJ5 the
cathode and pin 8 are connected internal and if I just
change the
the tubes the cathode will be constant
connected to ground yet on 6JB6A
the 3rd
grid are down to ground and plate current is though the
cathode.
My question did I read the tube
reference wrong?????????????
Could the guy
that say "JUST REMOVE ONE AND INSERT ANOTHER GIVE
US CLUE ON THIS OR MAYBE PAUL
Best regards
M0PAM

43907. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 22:52:26 UTC
From: Richard Knoppow
Topic: 43901 Message: 43907

FWIW, the 6JB6 has the cathode on pin 3 and a separate
connection for the suppressor grid to pin 8. In the Drake gear
pin 8 is grounded.
The 6JG5 has the suppressor connected to the cathode
internally and both go to pin 3. The RCA handbook shows no
connection to pin 8. It is possible that pin 3 and pin 8 are
connected internally in some makes to provide a low inductance
connection to the cathode. Its easy enough to check with an ohm
meter.
The 6GK5 is a triode. I think this must be a typo.
I did get some sort of equivalent tube to the 6JB6, not sure
of the type, where some tubes had an internal connection between
two of the pins. I wound up cutting one of the pins off.
The 6JG5 should work in place of the 6JB6 with no changes
other than neutralizing. I don't think connecting the beam plates
to the cathode will make a difference.
As far as modifying a Drake transmitter to use 6146 tubes, I
think its impractical. I did not look up the characteristics but
I think I have in the past and they are just too different plus I
think there are mechanical problems.

On 3/23/2018 3:11 PM, armando martins
martins.m0pam@... [DrakeRadio] wrote:
> Hi Garry
> Thanks for let me know I can see where I made the cockup I sort I had
> read 6GJ5A and I got 3 from Germany and I can not use it unless I
> disconnect pin 8 on the sockets from GROUND.
> Where can I get these tubes in USA do you know???????
> regards
> M0PAM

--
Richard Knoppow
1oldlens1@...
WB6KBL

43908. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 22:53:38 UTC
From: MadScientist1948
Topic: 43901 Message: 43908

Is it possible for BOTH to be correct?

I measured a GE 6GJ5 and it DOES show continuity between 3 and 8. I had never used GE 6GJ5's before.

The RCA's that I have do NOT show that continuity…

Thus the RCA's would work fine, the GE's would not.

Gary

> On Mar 23, 2018, at 5:38 PM, armando martins martins.m0pam@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Hi Rory I think Gary made a mistake, but having say that I
> did a check with my meter on the tube by connecting one
> lead to pin 3 and the other on pin 8 and they are connected
> internal therefore (THIS IS MY UNDERSTANDING) when
> tuning the cathode and grid 3 will be direct to ground
> I am correct???????????
> M0pam
> ---
> On Fri, 23/3/18, Rory n6oil@... <mailto:n6oil@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
> Subject: Re: [DrakeRadio] 6GJ6A HELP
> To: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>, "MadScientist1948" <dukeshifi@... <mailto:dukeshifi@comcast.net>>
> Date: Friday, 23 March, 2018, 22:21
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>
> Gary did you mean to say the
> 6GJ5 and not the 6GK5?
> N6OIL, Rory
> On Fri, Mar 23, 2018 at
> 3:00 PM, MadScientist1948 dukeshifi@...t <mailto:dukeshifi@...>

> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
> wrote:
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>
> The 6GK5 tube is 100% interchangeable for use in
> Drake radios. Pin 8 inside the tube is not connected to
> ANYTHING so no worries about having the tubes keyed
> improperly.
> I have used
> them many times with great success, and they are short
> enough to fit safely into the HV compartment of Drake
> radios.
> Gary
> W0DVN
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>
> On Mar 23, 2018,
> at 4:42 PM, armando martins martins.m0pam@btinternet.com <mailto:martins.m0pam@...>
> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
> wrote:
> Hi everyone and special Paul Knoppow sometime a go
> here I read that " WHY
> CHANGE THE 6JB6
> A TO THE 6146 WHEN THE 6GJ5 ARE IDENTICAL
> TUBES..Because the original tubes are very
> difficulty to get I got 3 6GJ6 but
> before change the tubes I download the data

> sheets for both tubes and this
> is what I found
> 6GJ5 the
> cathode and pin 8 are connected internal and if I just
> change the
> the tubes the cathode will be constant
> connected to ground yet on 6JB6A
> the 3rd
> grid are down to ground and plate current is though the
> cathode.
> My question did I read the tube
> reference wrong?????????????
> Could the guy
> that say "JUST REMOVE ONE AND INSERT ANOTHER GIVE
> US CLUE ON THIS OR MAYBE PAUL
> Best regards
> M0PAM
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43909. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 22:54:55 UTC
From: MadScientist1948
Topic: 43901 Message: 43909

I did mean 6GJ5. I also clarified that brand does make a difference.

GE tubes have the connection, RCS's do not.

Gary

> On Mar 23, 2018, at 5:21 PM, Rory <n6oil@...> wrote:
>
> Gary did you mean to say the 6GJ5 and not the 6GK5?
>
> N6OIL, Rory
>
> On Fri, Mar 23, 2018 at 3:00 PM, MadScientist1948 dukeshifi@... <mailto:dukeshifi@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
> The 6GK5 tube is 100% interchangeable for use in Drake radios. Pin 8 inside the tube is not connected to ANYTHING so no worries about having the tubes keyed improperly.
>
>
> I have used them many times with great success, and they are short enough to fit safely into the HV compartment of Drake radios.
>
> Gary
>
> W0DVN
>
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>
>> On Mar 23, 2018, at 4:42 PM, armando martins martins.m0pam@... <mailto:martins.m0pam@btinternet.com> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>> Hi everyone and special Paul Knoppow sometime a go here I read that " WHY
>> CHANGE THE 6JB6 A TO THE 6146 WHEN THE 6GJ5 ARE IDENTICAL
>> TUBES..Because the original tubes are very difficulty to get I got 3 6GJ6 but
>> before change the tubes I download the data sheets for both tubes and this
>> is what I found
>> 6GJ5 the cathode and pin 8 are connected internal and if I just change the
>> the tubes the cathode will be constant connected to ground yet on 6JB6A
>> the 3rd grid are down to ground and plate current is though the cathode.
>> My question did I read the tube reference wrong?????????????
>> Could the guy that say "JUST REMOVE ONE AND INSERT ANOTHER GIVE
>> US CLUE ON THIS OR MAYBE PAUL
>> Best regards
>> M0PAM
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43910. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 22:57:06 UTC
From: Richard Knoppow
Topic: 43901 Message: 43910

That is correct. It appears that some tubes have the two pins
connected internally even though it shows no connection to pin 8.
I got a few of these tubes some time ago and discovered that some
were one way and some were the other. I cut pin 8 off the the
tubes where it was connected. I don't remember which brand had
the internal connection. I wanted to check on this a while back
and looked at the box with the 6JB6's in it but couldn't find the
others. I may have tossed them.
Note that cutting the pins off is risky because it can cause
the bulb to crack and ruin the tube.

On 3/23/2018 3:38 PM, armando martins
martins.m0pam@... [DrakeRadio] wrote:
> Hi Rory I think Gary made a mistake, but having say that I
> did a check with my meter on the tube by connecting one
> lead to pin 3 and the other on pin 8 and they are connected
> internal therefore (THIS IS MY UNDERSTANDING) when
> tuning the cathode and grid 3 will be direct to ground
> I am correct???????????
> M0pam
> ---
> On Fri, 23/3/18, Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Subject: Re: [DrakeRadio] 6GJ6A HELP
> To: DrakeRadio@yahoogroups.com, "MadScientist1948" <dukeshifi@...>
> Date: Friday, 23 March, 2018, 22:21
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> Gary did you mean to say the
> 6GJ5 and not the 6GK5?
> N6OIL, Rory
> On Fri, Mar 23, 2018 at
> 3:00 PM, MadScientist1948 dukeshifi@...
> [DrakeRadio] <DrakeRadio@yahoogroups.com>
> wrote:

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> The 6GK5 tube is 100% interchangeable for use in
> Drake radios. Pin 8 inside the tube is not connected to
> ANYTHING so no worries about having the tubes keyed
> improperly.
> I have used
> them many times with great success, and they are short
> enough to ?fit safely into the HV compartment of Drake
> radios.
> Gary
> W0DVN
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> On Mar 23, 2018,
> at 4:42 PM, armando martins martins.m0pam@...
> [DrakeRadio] <DrakeRadio@yahoogroups.com>
> wrote:
> Hi everyone and special Paul Knoppow sometime a go
> here I read that " WHY
> CHANGE THE 6JB6
> A TO THE 6146 WHEN THE 6GJ5 ARE IDENTICAL
> TUBES..Because the original tubes are very
> difficulty to get I got 3 6GJ6 but
> before change the tubes I download the data
> sheets for both tubes and this
> is what I found

> 6GJ5 the
> cathode and pin 8 are connected internal and if I just
> change the
> the tubes the cathode will be constant
> connected to ground yet on 6JB6A
> the 3rd
> grid are down to ground and plate current is though the
> cathode.
> My question did I read the tube
> reference wrong?????????????
> Could the guy
> that say "JUST REMOVE ONE AND INSERT ANOTHER GIVE
> US CLUE ON THIS OR MAYBE PAUL
> Best regards
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43911. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-23 23:00:29 UTC
From: Richard Knoppow
Topic: 43901 Message: 43911

You just saved me from trying to find either the tubes or my
GE handbook. Yes, both are correct and as I noted in an earlier
post, I wound up cutting pin 8 off the GE tubes. They sort of
worked. Both RCA and Sylvania show pin 8 to be N.C.

On 3/23/2018 3:53 PM, MadScientist1948 dukeshifi@...
[DrakeRadio] wrote:
>
>
> Is it possible for BOTH to be correct?
>
> I measured a GE 6GJ5 and it DOES show continuity between 3 and 8.
> I had never used GE 6GJ5?s before.
>
> The RCA?s that I have do NOT show that continuity?
>
> Thus the RCA?s would work fine, the GE?s would not.
>
> Gary
>
>
>
>> On Mar 23, 2018, at 5:38 PM, armando martins
>> martins.m0pam@...
>> <mailto:martins.m0pam@...> [DrakeRadio]
>> <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>> Hi Rory I think Gary made a mistake, but having say that I
>> did a check with my meter on the tube by connecting one
>> lead to pin 3 and the other on pin 8 and they are connected
>> internal therefore (THIS IS MY UNDERSTANDING) when
>> tuning the cathode and grid 3 will be direct to ground
>> I am correct???????????
>> M0pam
>> ----------
>> On Fri, 23/3/18, Roryn6oil@...
>> <mailto:n6oil@...>[DrakeRadio] <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>> Subject: Re: [DrakeRadio] 6GJ6A HELP
>> To:DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>, "MadScientist1948"
>> <dukeshifi@... <mailto:dukeshifi@...>>
>> Date: Friday, 23 March, 2018, 22:21

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>> Gary did you mean to say the
>> 6GJ5 and not the 6GK5?
>> N6OIL, Rory
>> On Fri, Mar 23, 2018 at
>> 3:00 PM, MadScientist1948dukeshifi@...
>> <mailto:dukeshifi@...>
>> [DrakeRadio] <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>>
>> wrote:
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>> The 6GK5 tube is 100% interchangeable for use in
>> Drake radios. Pin 8 inside the tube is not connected to
>> ANYTHING so no worries about having the tubes keyed
>> improperly.

>> I have used
>> them many times with great success, and they are short
>> enough to ?fit safely into the HV compartment of Drake
>> radios.
>> Gary
>> W0DVN
>>
>>
>> On Mar 23, 2018,
>> at 4:42 PM, armando martinsmartins.m0pam@...
>> <mailto:martins.m0pam@...>
>> [DrakeRadio] <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>>
>> wrote:
>> Hi everyone and special Paul Knoppow sometime a go
>> here I read that " WHY
>> CHANGE THE 6JB6
>> A TO THE 6146 WHEN THE 6GJ5 ARE IDENTICAL
>> TUBES..Because the original tubes are very
>> difficulty to get I got 3 6GJ6 but
>> before change the tubes I download the data
>> sheets for both tubes and this
>> is what I found
>> 6GJ5 the
>> cathode and pin 8 are connected internal and if I just
>> change the
>> the tubes the cathode will be constant
>> connected to ground yet on 6JB6A
>> the 3rd
>> grid are down to ground and plate current is though the
>> cathode.
>> My question did I read the tube
>> reference wrong?????????????
>> Could the guy
>> that say "JUST REMOVE ONE AND INSERT ANOTHER GIVE
>> US CLUE ON THIS OR MAYBE PAUL
>> Best regards
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43912. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 00:41:17 UTC
From: Jim Shorney
Topic: 43901 Message: 43912

On Fri, 23 Mar 2018 15:52:26 -0700, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:

> As far as modifying a Drake transmitter to use 6146 tubes, I
>think its impractical. I did not look up the characteristics but
>I think I have in the past and they are just too different plus I
>think there are mechanical problems.

Actually, it's been done:

http://www.k5dkz.com/t4x6146.html

74

-Jim
NU0C

--
The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris,
"The Doctor's Wife"

43913. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 01:09:36 UTC
From: MadScientist1948
Topic: 43901 Message: 43913

I have about a dozen of them, new old stock.

Gary

> On Mar 23, 2018, at 5:11 PM, armando martins martins.m0pam@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> Hi Garry
> Thanks for let me know I can see where I made the cockup I sort I had
> read 6GJ5A and I got 3 from Germany and I can not use it unless I
> disconnect pin 8 on the sockets from GROUND.
> Where can I get these tubes in USA do you know???????
> regards
> M0PAM
> ----------
> On Fri, 23/3/18, MadScientist1948 dukeshifi@... <mailto:dukeshifi@...> [DrakeRadio]
<DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
> Subject: Re: [DrakeRadio] 6GJ6A HELP
> To: "WB6TNF handyjimbo@... <mailto:handyjimbo@...> [DrakeRadio]"
<DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>, "armando martins"
<martins.m0pam@btinternet..com>
> Date: Friday, 23 March, 2018, 22:00
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> The 6GK5 tube is 100% interchangeable for use in
> Drake radios. Pin 8 inside the tube is not connected to
> ANYTHING so no worries about having the tubes keyed
> improperly.
> I have used them many times with
> great success, and they are short enough to fit safely
> into the HV compartment of Drake radios.
> Gary
> W0DVN
>

>
> On Mar 23, 2018, at 4:42 PM,
> armando martins martins.m0pam@... <mailto:martins.m0pam@btinternet.com>
> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
> wrote:
> Hi everyone and special Paul
> Knoppow sometime a go here I read that " WHY
> CHANGE THE 6JB6 A TO
> THE 6146 WHEN THE 6GJ5 ARE IDENTICAL
> TUBES..Because the
> original tubes are very difficulty to get I got 3 6GJ6
> but
> before change the
> tubes I download the data sheets for both tubes and
> this
> is what I found
> 6GJ5 the cathode and
> pin 8 are connected internal and if I just change the
> the tubes the
> cathode will be constant connected to ground yet on 6JB6A
> the 3rd grid are
> down to ground and plate current is though the
> cathode.
> My
> question did I read the tube reference wrong?????????????
> Could the guy that
> say "JUST REMOVE ONE AND INSERT ANOTHER GIVE
> US CLUE ON THIS OR
> MAYBE PAUL
> Best
> regards
> M0PAM
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43914. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 02:31:13 UTC
From: Richard Knoppow
Topic: 43901 Message: 43914

This article makes a lot of sense and looks quite practical.
He doesn't seem to give a resting current for setting bias which
would be convenient. However, if you set the bias for -90 volts
you will have the value.
I wonder if anyone on the list has tried this.

On 3/23/2018 5:41 PM, 'Jim Shorney' jshorney@...
[DrakeRadio] wrote:
> On Fri, 23 Mar 2018 15:52:26 -0700, Richard Knoppow 1oldlens1@...
> [DrakeRadio] wrote:
>
>> As far as modifying a Drake transmitter to use 6146 tubes, I
>> think its impractical. I did not look up the characteristics but
>> I think I have in the past and they are just too different plus I
>> think there are mechanical problems.
>
> Actually, it's been done:
>
> http://www.k5dkz.com/t4x6146.html

--
Richard Knoppow
1oldlens1@...
WB6KBL

43915. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 02:33:07 UTC
From: Richard Knoppow
Topic: 43901 Message: 43915

Which tube?

On 3/23/2018 6:09 PM, MadScientist1948 dukeshifi@...
[DrakeRadio] wrote:
>
>
> I have about a dozen of them, new old stock.
>
> Gary

1oldlens1@...
WB6KBL

43916. Re: [DrakeRadio] Re: Back-up Update

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 08:10:29 UTC
From: Richard Knoppow
Topic: 43849 Message: 43916

There is another Drake list at:

http://mailman.zerobeat.net/mailman/listinfo/drakelist
It is essentially dead. It seems to me that it began to die
when Garey Barrell left it after some problems with the list
owner. The last message from Zerobeat was in 2015. I have not
tried posting to see if the list is still alive.
I don't know who owns or administers it.
On 3/23/2018 7:22 AM, 'Terrell Hamilton' hamilter@...
[DrakeRadio] wrote:
>
>
> Hi, all -
>
> Doesn't Mike Bryce of Heathkit Shop still run a Drake group?I
> don't remember if it was a Yahoo group or not, but I'll bet
> another group of people unhappy with Yahoo could start a SEPARATE
> Drake related group like his, and just name it something else,
> and do it as an io group.(What is that, anyway?I don't think
> anyone has ever explained it on this group -I get the impression
> that io groups are run via Gooble{sic}...)

I like Gooble:-)
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43918. Re: [DrakeRadio] Re: RF signal levels for a Drake T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 12:58:22 UTC
From: Bry Carling
Topic: 43676 Message: 43918

I think we may have those 10m crystals if you still need them.

Bry, AF4K

From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Wednesday, March 21, 2018 11:20 PM
To: DrakeRadio@yahoogroups.com; Ted; ve3fwf@...
Subject: Re: [DrakeRadio] Re: RF signal levels for a Drake T-4XC

Same as the R4B, 21.1 Mhz will cover from 10Mhz to 10.5Mhz
with band switch set on 14 Mhz. This also gives you WWV. See page
2-5 for the chart. Auxilliary crystal is always 11.1 Mhz higher
than the low end of the band you want to cover.
I have a full set of crystals in my R4B to use with my T4XB
for WARC bands and extension of 10 Meters. I wish now I had also
bought the extra crystals for the transmitter for 10 Meters but
the transceive function works fine on all bands.

On 3/21/2018 7:18 PM, Ted TSRWVCOMM@... [DrakeRadio] wrote:
>
>
> Dear all:
>
> Here's a perhaps funny question.
>
> What crystal needs to be in the r4c in order to use the c line
> twins as a transceiver on 10.1030 MHz (assuming the t4xc has no
> crystal for 30 m operation), and what should the RF band and
> preselector settings be on the r4c and t4xc?
>
> On one of my c line's, I can get the crystal to receive at 10.100
> MHz in one of 2 settings (swapping the band and preselector
> settings between 20 and 40m), but the T4XC only seems to put RF
> power out in one setting (when the transceiver mode is set to
> RCVR), but it's not transmitting on 10.100 (I have no idea where
> it's transmitting).
>
> Any help Appreciated . 73 ted N9NB
>
> Sent from smartphone, please excuse typos
>
> On Mar 21, 2018, at 9:49 PM, ve3fwf@...
> <mailto:ve3fwf@...> [DrakeRadio]
> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>

> wrote:
>
>>
>> I have updated the RF levels table for the Drake T-4XC in the
>> VE3FWF folder in the Files section of this site.
>>
>> There are 3 file types (.doc, .rtf and .pdf) you can choose to
>> download.
>>
>> If you have corrections and/or additions, please contact me.
>>
>> I would like make a similar table for the TR-4 radios next.
>>
>> If anyone has a starting point, please let me know.
>>
>> 73, Bernie
>>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

43920. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 14:02:18 UTC
From: ve3fwf@...
Topic: 43901 Message: 43920

To confirm

RCA 6GJ6 tubes have been confirmed to work without any mods to the radio?

73, Bernie

43921. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 14:25:54 UTC
From: Joseph Trombino, Jr
Topic: 43901 Message: 43921

Howdy Bernie.

I have a pair of 6GJ5 tubes in my T4XC and they work FB…direct drop-in and they neutralized easily with no mods to the T4XC.

You have to be careful when buying these tubes…there are two sizes…one fits perfectly and the other is just a bit too tall.

You need to get the one that is identical to the 6JB6 in height.

I was able to find several made by Sylvania.

73, Joe W2KJ

> On Mar 24, 2018, at 9:59 AM, ve3fwf@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> To sum up the thread so far.
>
> RCA 6GJ5 tubes have been confirmed to work without ant wiring changes to the radio?
>
> Correct?
>
> 73, Bernie
>
>

43922. Re: [DrakeRadio] 6GJ6A HELP (actually 6GJ5)

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 15:58:15 UTC
From: ve3fwf@...
Topic: 43901 Message: 43922

Confirming a 6GJ5 works– the subject field on this thread was confusing me (what else is new).

Vacuumtubes.net has them for $8.00 each. They were very helpful on my last order and sold me a matched set of 3 6JB5s for no extra charge.

73, Bernie

43923. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 15:49:14 UTC
From: Tom
Topic: 43901 Message: 43923

How can you tell the difference in height when buying from someone?

-------- Original message --------
From: "'Joseph Trombino, Jr' jotrom@bellsouth.net [DrakeRadio]"
Date: 3/24/18 9:25 AM (GMT-06:00)
To: DrakeRadio@yahoogroups.com, ve3fwf@rogers.com
Subject: Re: [DrakeRadio] 6GJ6A HELP

Howdy Bernie.

I have a pair of 6GJ5 tubes in my T4XC and they work FB…direct drop-in and they neutralized easily with no mods to the T4XC.

You have to be careful when buying these tubes…there are two sizes…one fits perfectly and the other is just a bit too tall.

You need to get the one that is identical to the 6JB6 in height.

I was able to find several made by Sylvania.

73, Joe W2KJ

> On Mar 24, 2018, at 9:59 AM, ve3fwf@rogers.com [DrakeRadio] wrote:
>
>
> To sum up the thread so far.
>
> RCA 6GJ5 tubes have been confirmed to work without ant wiring changes to the radio?
>
> Correct?
>
> 73, Bernie
>
>

Posted by: "Joseph Trombino, Jr"

43924. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 16:47:12 UTC
From: Joseph Trombino, Jr
Topic: 43901 Message: 43924

Measure the height of a 6JB6 and ask the vendor to make sure the 6GJ5's are the same height.

73, Joe W2KJ

> On Mar 24, 2018, at 11:49 AM, Tom tbahr@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> How can you tell the difference in height when buying from someone?
>
> -------- Original message --------
> From: "'Joseph Trombino, Jr' jotrom@bellsouth.net [DrakeRadio]"
> Date: 3/24/18 9:25 AM (GMT-06:00)
> To: DrakeRadio@yahoogroups.com, ve3fwf@...
> Subject: Re: [DrakeRadio] 6GJ6A HELP
>
>
> Howdy Bernie.
>
> I have a pair of 6GJ5 tubes in my T4XC and they work FB…direct drop-in and they neutralized easily with no mods to the T4XC.
>
> You have to be careful when buying these tubes…there are two sizes…one fits perfectly and the other is just a bit too tall.
>
> You need to get the one that is identical to the 6JB6 in height.
>
> I was able to find several made by Sylvania.
>
> 73, Joe W2KJ
>
> > On Mar 24, 2018, at 9:59 AM, ve3fwf@... [DrakeRadio] wrote:
> >
> >
> > To sum up the thread so far.
> >
> > RCA 6GJ5 tubes have been confirmed to work without ant wiring changes to the radio?
> >
> > Correct?
> >
> > 73, Bernie
> >
> >
>

>
> Posted by: "Joseph Trombino, Jr"
>
>
>

43925. Re: [DrakeRadio] Re: 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 17:37:42 UTC
From: MadScientist1948
Topic: 43901 Message: 43925

Jim:

Were you addressing me regarding the purchase of 6GJ5 tubes?

Gary

> On Mar 24, 2018, at 7:43 AM, ve3fwf@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I will order a set 3 three for spares.
>
>
> 73, Bernie
>
>

43926. Re: [DrakeRadio] 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 17:43:18 UTC
From: Bob Loving
Topic: 43901 Message: 43926

A couple of things with respect to the 6GJ5:
1) Look inside the glass envelope. If there is (are) no connection(s) to pin 8, plug it in. Otherwise, you can lift one end of the ground wire on the socket in the T-4any.
2) Measure the height from the bottom of the envelope to the top of the plate cap of a 6JB6 from a T-4any. I have a few 6JB6s bought many years ago at a hamfest that are too tall for the T-4any cage. At least the price was right at the time!
73,Bob K9JUMaryville, TN

On Saturday, March 24, 2018 12:57 PM, "'Joseph Trombino, Jr' jotrom@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

Measure the height of a 6JB6 and ask the vendor to make sure the 6GJ5's are the same height.

73, Joe W2KJ

> On Mar 24, 2018, at 11:49 AM, Tom tbahr@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> How can you tell the difference in height when buying from someone?
>
> -------- Original message --------
> From: "'Joseph Trombino, Jr' jotrom@... [DrakeRadio]"
> Date: 3/24/18 9:25 AM (GMT-06:00)
> To: DrakeRadio@yahoogroups.com, ve3fwf@...
> Subject: Re: [DrakeRadio] 6GJ6A HELP
>
>
> Howdy Bernie.
>
> I have a pair of 6GJ5 tubes in my T4XC and they work FB…direct drop-in and they neutralized easily with no mods to the T4XC.
>
> You have to be careful when buying these tubes…there are two sizes…one fits perfectly and the other is just a bit too tall.
>
> You need to get the one that is identical to the 6JB6 in height.
>
> I was able to find several made by Sylvania.
>
> 73, Joe W2KJ
>
> > On Mar 24, 2018, at 9:59 AM, ve3fwf@rogers.com [DrakeRadio] wrote:
> >
> >

> > To sum up the thread so far.
> >
> > RCA 6GJ5 tubes have been confirmed to work without ant wiring changes to the radio?
> >
> > Correct?
> >
> > 73, Bernie
> >
> >
>
>
> Posted by: "Joseph Trombino, Jr"
>
>
>

43927. Re: [DrakeRadio] 6GJ6A HELP (actually 6GJ5)

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 19:00:59 UTC
From: amfone
Topic: 43901 Message: 43927

The 6GJ6 will be a problem from 20 meters and up!

On Saturday, March 24, 2018, 11:59:30 AM EDT, ve3fwf@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Confirming a 6GJ5 works– the subject field on this thread was confusing me (what else is new).
Vacuumtubes.net has them for $8.00 each. They were very helpful on my last order and sold me a matched set of 3 6JB5s for no extra charge.
73, Bernie

43928. Re: [DrakeRadio] 6GJ6A HELP (actually 6GJ5)

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 19:14:23 UTC
From: MadScientist1948
Topic: 43901 Message: 43928

Not sure why you'd state that Bernie… The inter electrode capacitance is not significantly different nor are any other electrical specifications.

I am not saying you are incorrect, I am just curious as to why…

73

Gary

> On Mar 24, 2018, at 2:00 PM, amfone amfone20000@yahoo.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> The 6GJ6 will be a problem from 20 meters and up!
>
>
> On Saturday, March 24, 2018, 11:59:30 AM EDT, ve3fwf@... <mailto:ve3fwf@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>
>
>
>
> Confirming a 6GJ5 works— the subject field on this thread was confusing me (what else is new).
>
> Vacuumtubes.net has them for $8.00 each. They were very helpful on my last order and sold me a matched set of 3 6JB5s for no extra charge.
>
> 73, Bernie
>
>

43929. Drake TR4CWrit 9 mhz oscillator

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 20:51:16 UTC
From: w4tty@...
Topic: 43929 Message: 43929

I am trouble shooting a TR4CWrit.

While attempting to align the 9mhz oscillator I was unable to get any change in sideband noise when adjusting c-130.
I have measured voltages on the pins of the 6GX6 (V16). All the voltages measure as expected except pin 1. My voltage chart says -6.0 V and instead I get +6.5. I double checked my metering and even reversed the test leads to make sure there was not a problem with my Fluke 87 and still got POSITIVE 6.5 volts on that pin.

All resistance measurements are as described in the resistance chart.

Any ideas or places to look for the trouble would be appreciated.

Adam - W4TTY

43930. Re: [DrakeRadio] Drake TR4CWrit 9 mhz oscillator

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 22:09:17 UTC
From: MadScientist1948
Topic: 43929 Message: 43930

What you describe would not be cause by any voltage variances or even by a bad tube.

Most likely the trimmer itself has issues. This is the same type of capacitor Collins used. This type is prone to becoming totally ineffective after this many years.

You should be able to remove the commutator contact (on the bottom of the trimmer) by sliding it out of its position. You should not even need to remove the wire attached to it. Then separate the pieces and clean them in Methanol, clean Ethanol or 99% Isopropanol. The part you turn to adjust it comes out the top side of the chassis.

Don’t lose the flexible plastic insulator that is inside.

A little Tarnex can remove any sulfidation or oxidation on the Silver parts.

Gary

W0DVN

> On Mar 24, 2018, at 3:51 PM, w4tty@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> I am trouble shooting a TR4CWrit.
>
>
>
> While attempting to align the 9mhz oscillator I was unable to get any change in sideband noise when adjusting c-130.
>
> I have measured voltages on the pins of the 6GX6 (V16). All the voltages measure as expected except pin 1. My voltage chart says -6.0 V and instead I get +6.5. I double checked my metering and even reversed the test leads to make sure there was not a problem with my Fluke 87 and still got POSITIVE 6.5 volts on that pin.
>
>
>
> All resistance measurements are as described in the resistance chart.
>
>
>
> Any ideas or places to look for the trouble would be appreciated.
>
>
>
> Adam - W4TTY
>
>
>

43931. Re: [DrakeRadio] Drake TR4CWrit 9 mhz oscillator

Yahoo group: DrakeRadio (2018)
Date: 2018-03-24 22:29:17 UTC
From: Richard Knoppow
Topic: 43929 Message: 43931

Glenn Zook wrote an article about repairing these in the
Collins KWM-2 and S-line. See
http://www.collinsradio.org/wp-content/uploads/2015/05/Repairing-Frozen-Trimmers-Zook-Copywrite.pdf

On 3/24/2018 3:09 PM, MadScientist1948 dukeshifi@...
[DrakeRadio] wrote:
>
>
> What you describe would not be cause by any voltage variances or
> even by a bad tube.
>
> Most likely the trimmer itself has issues. This is the same type
> of capacitor Collins used. This type is prone to becoming totally
> ineffective after this many years.
>
> You should be able to remove the commutator contact ?(on the
> bottom of the trimmer) by sliding it out of its position. You
> should not even need to remove the wire attached to it. ?Then
> separate the pieces and clean them in Methanol, clean Ethanol or
> 99% Isopropanol. The part you turn to adjust it comes out the top
> side of the chassis.
>
> Don?t lose the flexible plastic insulator that is inside.
>
> A little Tarnex can remove any sulfidation or oxidation on the
> Silver parts..
>
> Gary
>
> W0DVN

--
Richard Knoppow
1oldlens1@...
WB6KBL

43932. Re: 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 01:22:34 UTC
From: edanie31@...
Topic: 43901 Message: 43932

Just to be clear, the tube folks are talking about as a replacement for the 6JB6 is the 6GJ5, not 6GJ6. If someone has had problems from 20 meters and up, with the 6GJ5 or 6JB6, that is a sure sign of a neutralization issue. You can encounter this even with swapping a pair of 6JB6 tubes from a different maker in your rig. I know there was a thread a couple of years ago on how to modify a TR4 with extra capacitance across the neutralization trimmer capacitor to account for differences between different tubes. (Oh, if Garey were around to explain it again)

I went through my tube drawer and pulled a couple of 6GJ5s from GE, RCA, Sylvania, and International Servicemaster (appears to be a white labeled RCA). Here is what I found:

GE: Pin 8 is connected to the suppressor grid
Sylvania: Pin 8 no connection
RCA: Pin 8 no connection
IS: Same as the RCA

In all of these, Pin 3 connects internally to both the cathode and the suppressor grid.

If you install a 6GJ5 with no Pin 8 connection in an unmodified Drake, this has the effect of changing the suppressor grid from grounded to the same potential as the cathode. Since the cathode is normally pretty close to ground potential, especially at HF (due to the bypass capacitors at the cathode), then difference from the 6JB6 will be small. It is quite common to connect a pentode suppressor grid to the cathode, which is why the 6GJ5 does it internally. This would save a TV/radio manufacturer from having to connect another wire to a socket.

If, however, you install a 6GJ5 with a Pin 8 connection to the suppressor grid, then you will be grounding the cathode and jumpering out the bypass capacitors at the cathode, not just at HF, but also at DC. This would not be good.

So, look at the bottom of your 6GJ5 tubes. For those not aware, hold the tube with the pine pointing toward you. Pin 1 is the first one after the gap. They number clockwise. If Pin 8 has no connection, then it should be safe to use. If Pin 8 is connected to the suppressor grid. i.e., the part just inside of the outer metal part (plate/anode), then either do not use it, or cut off the pin flush with the glass. I do not recommend lifting the wire on the Pin 8 socket. If someone were to plug a 6JB6 into one of these modified sockets, they could get poor performance, and possibly damage the transmitter.

Hope this helps.

Eric
WK3B

43933. Re: [DrakeRadio] Re: Back-up Update

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 02:58:24 UTC
From: Jim Shorney
Topic: 43849 Message: 43933

It's still there, I re-posted the note about Garey's passing.

73

-Jim
NU0C

On Sat, 24 Mar 2018 01:10:29 -0700, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:

> There is another Drake list at:
>
>http://mailman.zerobeat.net/mailman/listinfo/drakelist
> It is essentially dead. It seems to me that it began to die
>when Garey Barrell left it after some problems with the list
>owner. The last message from Zerobeat was in 2015. I have not
>tried posting to see if the list is still alive.
> I don't know who owns or administers it.
>On 3/23/2018 7:22 AM, 'Terrell Hamilton' hamilter@...
>[DrakeRadio] wrote:
>>
>>
>> Hi, all -
>>
>> Doesn't Mike Bryce of Heathkit Shop still run a Drake group?I
>> don't remember if it was a Yahoo group or not, but I'll bet
>> another group of people unhappy with Yahoo could start a SEPARATE
>> Drake related group like his, and just name it something else,
>> and do it as an io group.(What is that, anyway?I don't think
>> anyone has ever explained it on this group -I get the impression
>> that io groups are run via Gooble{sic}...)
>
> I like Gooble:-)
>>
>
>--
>Richard Knoppow
>1oldlens1@...
>WB6KBL

--

"It's an Earth food. They are called Swedish meatballs! It's a strange thing, but every sentient race has its own version of these Swedish meatballs! I suspect it's one of those great universal mysteries which will either never be explained, or which would drive you mad if you ever learned the truth!" - G'Kar, Babylon 5

43934. Re: [DrakeRadio] Re: 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 04:37:04 UTC
From: Richard Knoppow
Topic: 43901 Message: 43934

An ohm meter will tell you better than your eye. Check from
pin 3 to pin 8, should be an open circuit.

On 3/24/2018 6:22 PM, edanie31@... [DrakeRadio] wrote:
>
>
> Just to be clear, the tube folks are talking about as a
> replacement for the 6JB6 is the 6GJ5, not 6GJ6.? If someone has
> had problems from 20 meters and up, with the 6GJ5 or 6JB6, that
> is a sure sign of a neutralization issue.? You can encounter this
> even with swapping a pair of 6JB6 tubes from a different maker in
> your rig.? I know there was a thread a couple of years ago on how
> to modify a TR4 with extra capacitance across the neutralization
> trimmer capacitor to account for differences between different
> tubes. (Oh, if Garey were around to explain it again)
>
> I went through my tube drawer and pulled a couple of 6GJ5s from
> GE, RCA, Sylvania, and International Servicemaster (appears to be
> a white labeled RCA).? Here is what I found:
>
> GE:? Pin 8 is connected to the suppressor grid
> Sylvania: Pin 8 no connection
> RCA:? Pin 8 no connection
> IS:? Same as the RCA
>
> In all of these, Pin 3 connects internally to both the cathode
> and the suppressor grid.
>
> If you install a 6GJ5 with no Pin 8 connection in an unmodified
> Drake, this has the effect of changing the suppressor grid from
> grounded to the same potential as the cathode.? Since the cathode
> is normally pretty close to ground potential, especially at HF
> (due to the bypass capacitors at the cathode), then difference
> from the 6JB6 will be small.? It is quite common to connect a
> pentode suppressor grid to the cathode, which is why the 6GJ5
> does it internally.? This would save a? TV/radio manufacturer
> from having to connect another wire to a socket.
>
> If, however, you install a 6GJ5 with a Pin 8 connection to the
> suppressor grid, then you will be grounding the cathode and
> jumpering out the bypass capacitors at the cathode, not just at
> HF, but also at DC.? This would not be good.
>
> So, look at the bottom of your 6GJ5 tubes.? For those not aware,
> hold the tube with the pine pointing toward you.? Pin 1 is the

> first one after the gap.? They number clockwise.? If Pin 8 has no
> connection, then it should be safe to use.? If Pin 8 is connected
> to the suppressor grid. i.e., the part just inside of the outer
> metal part (plate/anode), then either do not use it, or cut off
> the pin flush with the glass.? I do not recommend lifting the
> wire on the Pin 8 socket.? If someone were to plug a 6JB6 into
> one of these modified sockets, they could get poor performance,
> and possibly damage the transmitter.
>
> Hope this helps.
>
> Eric
> WK3B
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43935. Re: [DrakeRadio] Re: Back-up Update

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 04:46:35 UTC
From: Richard Knoppow
Topic: 43849 Message: 43935

The last message I see there is dated 2016 The messages there have [drakelist] in the subject field where this one has [DrakeRadio] and I use that for filtering. Still its possible I have both going to this list folder.

On 3/24/2018 7:58 PM, 'Jim Shorney' jshorney@...
[DrakeRadio] wrote:
>
> It's still there, I re-posted the note about Garey's passing.
>
> 73
>
> -Jim
> NU0C

--
Richard Knoppow
1oldlens1@...
WB6KBL

43936. Re: [DrakeRadio] Re: Back-up Update

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 05:06:45 UTC
From: Jim Shorney
Topic: 43849 Message: 43936

I don't know where you are looking...

https://www.mail-archive.com/drakelist@.../msg19834.html

73

-Jim
NU0C

On Sat, 24 Mar 2018 21:46:35 -0700, Richard Knoppow 1oldlens1@... [DrakeRadio] wrote:

> The last message I see there is dated 2016 The messages there
>have [drakelist] in the subject field where this one has
>[DrakeRadio] and I use that for filtering. Still its possible I
>have both going to this list folder.

>On 3/24/2018 7:58 PM, 'Jim Shorney' jshorney@...
>[DrakeRadio] wrote:
>>
>> It's still there, I re-posted the note about Garey's passing.
>>
>> 73
>>
>> -Jim
>> NU0C

>--
>Richard Knoppow
>1oldlens1@...
>WB6KBL

>------------------------------------

>------------------------------------

>------------------------------------

>Yahoo Groups Links

--
Ham Radio NU0C
Lincoln, Nebraska, U.S.S.A.
TR7/RV7/R7A/L7, TR6/RV6, T4XC/R4C/L4B, NCL2000, SB104A, R390A, GT550A/RV550A, HyGain 3750, IBM PS/2 - all vintage, all the time!

"Give a man a URL and he will learn for an hour. Teach him to Google and he will learn for a lifetime."

HyGain 3750 User's Group - http://groups.yahoo.com/group/HyGain_3750/
http://incolor.inetnebr.com/jshorney
http://www.nebraskaghosts.org

43937. TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 13:02:15 UTC
From: Mark Alexander
Topic: 43937 Message: 43937

Hello all,I just replaced the plate and S-meters on my TR-4. The old plate meter functioned but was very bouncy. The new plate meter seems much more stable. The S-meter was in better shape and seems to work fine as well. The plate meter seems close to the original as the bias still shows around 100mA. Any suggestions on how to measure that the 100mA bias is reading correctly?
Thanks73'sMark

43938. Re: [DrakeRadio] Re: 6GJ6A HELP

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 13:37:36 UTC
From: Steve Wedge
Topic: 43901 Message: 43938

The extra capacitance on the TR-4 was for RCA tubes. I remember it well.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sat, Mar 24, 2018 at 9:22 PM, edanie31@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Just to be clear, the tube folks are talking about as a replacement for
> the 6JB6 is the 6GJ5, not 6GJ6. If someone has had problems from 20 meters
> and up, with the 6GJ5 or 6JB6, that is a sure sign of a neutralization
> issue. You can encounter this even with swapping a pair of 6JB6 tubes from
> a different maker in your rig. I know there was a thread a couple of years
> ago on how to modify a TR4 with extra capacitance across the neutralization
> trimmer capacitor to account for differences between different tubes. (Oh,
> if Garey were around to explain it again)
>
> I went through my tube drawer and pulled a couple of 6GJ5s from GE, RCA,
> Sylvania, and International Servicemaster (appears to be a white labeled
> RCA). Here is what I found:
>
> GE: Pin 8 is connected to the suppressor grid
> Sylvania: Pin 8 no connection
> RCA: Pin 8 no connection
> IS: Same as the RCA
>
> In all of these, Pin 3 connects internally to both the cathode and the
> suppressor grid.
>
> If you install a 6GJ5 with no Pin 8 connection in an unmodified Drake,
> this has the effect of changing the suppressor grid from grounded to the
> same potential as the cathode. Since the cathode is normally pretty close
> to ground potential, especially at HF (due to the bypass capacitors at the
> cathode), then difference from the 6JB6 will be small. It is quite common
> to connect a pentode suppressor grid to the cathode, which is why the 6GJ5
> does it internally. This would save a TV/radio manufacturer from having
> to connect another wire to a socket.
>
> If, however, you install a 6GJ5 with a Pin 8 connection to the suppressor
> grid, then you will be grounding the cathode and jumpering out the bypass
> capacitors at the cathode, not just at HF, but also at DC. This would not
> be good.
>

> So, look at the bottom of your 6GJ5 tubes. For those not aware, hold the
> tube with the pine pointing toward you. Pin 1 is the first one after the
> gap. They number clockwise. If Pin 8 has no connection, then it should be
> safe to use. If Pin 8 is connected to the suppressor grid. i.e., the part
> just inside of the outer metal part (plate/anode), then either do not use
> it, or cut off the pin flush with the glass. I do not recommend lifting
> the wire on the Pin 8 socket. If someone were to plug a 6JB6 into one of
> these modified sockets, they could get poor performance, and possibly
> damage the transmitter.
>
> Hope this helps.
>
> Eric
> WK3B
>
>

43939. Re: [DrakeRadio] TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 13:42:32 UTC
From: Steve Wedge
Topic: 43937 Message: 43939

Hi, Mark,

The PLATE meter actually reads the cathode current. You can verify your plate current by reading the voltage drop across each 15-ohm cathode resistor, calculating the current and adding. And yes, it is a teeny bit less than actual plate current but not enough where it matters.

73,

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Mar 25, 2018 at 9:02 AM, Mark Alexander n9ppw@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Hello all,
> I just replaced the plate and S-meters on my TR-4. The old plate meter
> functioned but was very bouncy. The new plate meter seems much more stable.
> The S-meter was in better shape and seems to work fine as well. The plate
> meter seems close to the original as the bias still shows around 100mA.
> Any suggestions on how to measure that the 100mA bias is reading
> correctly?
>
> Thanks
> 73's
> Mark
>
>
>

43940. Re: TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 13:56:41 UTC
From: johng101501@...
Topic: 43937 Message: 43940

Mark- to have 100 ma current draw you would expect to see .495-.499 volts across each cathode resistor with no rf drive--gain all the way down .100 ma divided by 3 tubes --33.3ma x.015 ohm (cathode resistor value). Great way to measure actual current and match tubes.

43941. Re: [DrakeRadio] Re: Back-up Update

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 15:45:23 UTC
From: john g
Topic: 43849 Message: 43941

Hello, Richard-- I have a Tr4c question for you-- In the manual it says to align the crystal calibrator you zero beat with wwv. Is there another method that you suggest? Thanks 73 John KC2WTS

On ☐Sunday☐, ☐March☐ ☐25☐, ☐2018☐ ☐12☐:☐46☐:☐41☐ ☐AM☐ ☐EDT, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

The last message I see there is dated 2016 The messages there have [drakelist] in the subject field where this one has [DrakeRadio] and I use that for filtering. Still its possible I have both going to this list folder.

On 3/24/2018 7:58 PM, 'Jim Shorney' jshorney@... [DrakeRadio] wrote:
>
> It's still there, I re-posted the note about Garey's passing.
>
> 73
>
> -Jim
> NU0C

--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

43942. RE: [DrakeRadio] TR4C Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 15:59:44 UTC
From: Joe
Topic: 43942 Message: 43942

Changing header topic to ‘TR4C Question’!

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Re: Back-up Update

Hello, Richard-- I have a Tr4c question for you-- In the manual it says to align the crystal calibrator you zero beat with wwv. Is there another method that you suggest? Thanks 73 John KC2WTS

43943. Re: RE: [DrakeRadio] TR4C Question

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 16:05:35 UTC
From: john g
Topic: 43942 Message: 43943

sorry bout that Joe

On ☐Sunday☐, ☐March☐ ☐25☐, ☐2018☐ ☐12☐:☐01☐:☐26☐ ☐PM☐ ☐EDT, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Changing header topic to 'TR4C Question'!

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Re: Back-up Update

Hello, Richard-- I have a Tr4c question for you-- In the manual it says to align the crystal calibrator you zero beat with wwv. Is there another method that you suggest? Thanks 73 John KC2WTS

43944. Re: [DrakeRadio] Re: TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 17:15:32 UTC
From: Curt Nixon
Topic: 43937 Message: 43944

I think you may have some decimal points in the wrong place. Always good to check the actual value of those resistors as well.

Curt KU8L

On 3/25/2018 9:56 AM, johng101501@... [DrakeRadio] wrote:

Mark- to have 100 ma current draw you would expect to see .495-.499 volts across each cathode resistor with no rf drive--gain all the way down .100 ma divided by 3 tubes --33.3ma x.015 ohm (cathode resistor value). Great way to measure actual current and match tubes.

(https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=icon)

Virus-free. www.avast.com (https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=link)

43945. Re: [DrakeRadio] Re: TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 17:35:35 UTC
From: john g
Topic: 43937 Message: 43945

decimal points are correct

On ☐Sunday☐, ☐March☐ ☐25☐, ☐2018☐ ☐01☐:☐15☐:☐53☐ ☐PM☐ ☐EDT, Curt Nixon captcurt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I think you may have some decimal points in the wrong place. Always good to check the actual value of those resistors as well.

Curt KU8L

On 3/25/2018 9:56 AM, johng101501@yahoo.com [DrakeRadio] wrote:

Mark- to have 100 ma current draw you would expect to see .495-.499 volts across each cathode resistor with no rf drive--gain all the way down .100 ma divided by 3 tubes --33.3ma x.015 ohm (cathode resistor value). Great way to measure actual current and match tubes.

| | Virus-free. www.avast.com |

43946. Re: [DrakeRadio] Re: TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 17:59:10 UTC
From: johng101501@...
Topic: 43937 Message: 43946

the .015 was to show the multiplier--- the value of the resistor is 15 ohms. i thought it would make it easier to show the voltage value

43947. Re: [DrakeRadio] Re: TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 19:05:44 UTC
From: Mark Alexander
Topic: 43937 Message: 43947

Worked perfectly, set voltage to about 485-490mV and measured each to see that they were in the ball park with respect to each other. I now know my meter reads 0.1 at barely a needle width above the 0.1 meter mark.Seems to be a good check overall to ensure the tubes are all conducting the same.Seems to me this would be a good check when replacing finals that one would want to verify each tube is set equally.
Thanks again all !Mark
On Sunday, March 25, 2018, 12:59:15 PM CDT, johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

the .015 was to show the multiplier--- the value of the resistor is 15 ohms. i thought it would make it easier to show the voltage value

43948. Re: [DrakeRadio] Re: TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 19:19:07 UTC
From: johng101501@...
Topic: 43937 Message: 43948

Great-- Glad to hear you got a handle on it!

43949. Re: [DrakeRadio] Re: Back-up Update

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 19:25:23 UTC
From: Richard Knoppow
Topic: 43849 Message: 43949

Messages in my machine. Obviously have have not been getting
messages for some time. I get into the web site so I must still
be a member and did not get a bounce when I sent a test message
but don't see that either. I may re-subscribe.

On 3/24/2018 10:06 PM, 'Jim Shorney' jshorney@...
[DrakeRadio] wrote:
>
> I don't know where you are looking...
>
> https://www.mail-archive.com/drakelist@.../msg19834.html
>
> 73
>
> -Jim
> NU0C

--
Richard Knoppow
1oldlens1@...
WB6KBL

43950. Re: [DrakeRadio] Re: TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 20:36:26 UTC
From: Curt Nixon
Topic: 43937 Message: 43950

Yes it is---only if the resistors are correct. These resistors are among the most often toasted in Drake TXs.

Curt.

On 3/25/2018 3:05 PM, Mark Alexander n9ppw@... [DrakeRadio] wrote:

Worked perfectly, set voltage to about 485-490mV and measured each to see that they were in the ball park with respect to each other. I now know my meter reads 0.1 at barely a needle width above the 0.1 meter mark.

Seems to be a good check overall to ensure the tubes are all conducting the same.

Seems to me this would be a good check when replacing finals that one would want to verify each tube is set equally.

Thanks again all !

Mark

On Sunday, March 25, 2018, 12:59:15 PM CDT, johng101501@... [DrakeRadio] wrote:

the .015 was to show the multiplier--- the value of the resistor is 15 ohms. i thought it would make it easier to show the voltage value

(https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=icon)

Virus-free. www.avast.com (https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=link)

43951. Re: [DrakeRadio] Re: Back-up Update

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 20:55:16 UTC
From: Richard Knoppow
Topic: 43849 Message: 43951

Probably the simplest way is to use a second receiver that
can hear WWV or has a calibrator set to WWV. You can pick up the
calibrator in the TR-4 at the antenna jack. If your second
receiver has a calibrator you can zero beat the one in the TR-4
to it at any frequency. This is how I set the calibrator in my
TR-4 (not a C but I think in this way they are the same). Once
set it will stay for a very long time.

On 3/25/2018 8:45 AM, john g johng101501@... [DrakeRadio]
wrote:
>
>
> Hello, Richard-- I have a Tr4c question for you-- In the manual
> it says to align the crystal calibrator you zero beat with wwv.
> Is there another method that you suggest?? Thanks 73 John KC2WTS
>
Richard Knoppow
1oldlens1@...
WB6KBL

43952. Re: [DrakeRadio] Re: TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 21:06:00 UTC
From: Richard Knoppow
Topic: 43937 Message: 43952

Easy to check and within the accuracy of most VOMs. In my
T4XB I found one resistor close to 15 ohms the other around 25 ohms.
I replaced them with ordinary carbon film resistors but Garey
Barrel suggested metal oxide film because they are more rugged.
The meters used in the Drake gear are very cheap, Garey said
they cost less than a dollar new. The only critical setting is
the mark for resting current, 70ma in the T-anything and 100 ma
in the TR- tube series. The calibration depends on the resistors
in the metering circuit. Since what is measured is the cathode
current its easiest to measure the drop across on of the cathode
resistors. Just about half a volt if the resistor is accurate. If
yyou get that and the meter is off somewhat it means one of the
meter resistors has drifted and should be replaced. I have done
this on a T4XB but not on a TR-4. I am pretty sure there is a
procedure on the WB4HFN web site for this.
I am interested BTW in the difference between the bounciness
of your new meter vs the old one. The meters in my TR-4 are very
bouncy, enough to make it difficult to tune. I experimented to
find if there was a way of increasing the damping but found
nothing that worked.

On 3/25/2018 1:36 PM, Curt Nixon captcurt@... [DrakeRadio]
wrote:
>
>
> Yes it is---only if the resistors are correct.? These resistors
> are among the most often toasted in Drake TXs.
>
> Curt.
>
>
> On 3/25/2018 3:05 PM, Mark Alexander n9ppw@... [DrakeRadio]
> wrote:
>> Worked perfectly, ?set voltage to about 485-490mV and measured
>> each to see that they were in the ball park with respect to
>> each other. I now know my meter reads 0.1 at barely a needle
>> width above the 0.1 meter mark.
>> Seems to be a good check overall to ensure the tubes are all
>> conducting the same.
>> Seems to me this would be a good check when replacing finals
>> that one would want to verify each tube is set equally.
>>
>> Thanks again all !
>> Mark
>>

>> On Sunday, March 25, 2018, 12:59:15 PM CDT,
>> johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
>> wrote:
>>
>>
>> the .015 was to show the multiplier--- the value of the
>> resistor is 15 ohms. i thought it would make it easier to show
>> the voltage value
>>
>
>
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email
&utm_content=emailclient&utm_term=icon>
> Virus-free. www.avast.com
> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email
&utm_content=emailclient&utm_term=link>
>
>
> <#DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

43953. Re: [DrakeRadio] Re: TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 21:36:55 UTC
From: Steve Wedge
Topic: 43937 Message: 43953

That’s a good point, Curt. At 15 ohms, 10% is 1.5 ohms and I’ve seen some of these that have drifted past 20 ohms. That means less current through the cathode and less power out.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 25, 2018, at 13:35, john g johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> decimal points are correct
>
> On ☐Sunday☐, ☐March☐ ☐25☐, ☐2018☐ ☐01☐:☐15☐:☐53☐ ☐PM☐ ☐EDT, Curt Nixon captcurt@...t [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> I think you may have some decimal points in the wrong place. Always good to check the actual value of those resistors as well.
>
> Curt KU8L
>
>> On 3/25/2018 9:56 AM, johng101501@... [DrakeRadio] wrote:
>>
>> Mark- to have 100 ma current draw you would expect to see .495-.499 volts across each cathode resistor with no rf drive--gain all the way down .100 ma divided by 3 tubes --33.3ma x.015 ohm (cathode resistor value). Great way to measure actual current and match tubes.
>>
>
>
> Virus-free. www..avast.com
>

43954. Re: [DrakeRadio] Re: TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-25 22:51:37 UTC
From: john g
Topic: 43937 Message: 43954

I remember i ran across a post by Garey regarding the bouncing s-meter-In it he suggested a capacitor might be leaky-- I dont remember the capacitor number, but i replaced it in my tr4 and it really made a difference--mine bounced so bad it made the plate amp meter move too. search bouncing s meter and you may find it- as i remember it was on the old drake list.

On ☐Sunday☐, ☐March☐ ☐25☐, ☐2018☐ ☐05☐:☐37☐:☐02☐ ☐PM☐ ☐EDT, Steve Wedge steve27302@gmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

That’s a good point, Curt. At 15 ohms, 10% is 1.5 ohms and I’ve seen some of these that have drifted past 20 ohms. That means less current through the cathode and less power out.

Steve Wedge, W1ES/4
Sent from my iPhone - the typos have been generated by highly sophisticated software.
On Mar 25, 2018, at 13:35, john g johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

decimal points are correct

On ☐Sunday☐, ☐March☐ ☐25☐, ☐2018☐ ☐01☐:☐15☐:☐53☐ ☐PM☐ ☐EDT, Curt Nixon captcurt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I think you may have some decimal points in the wrong place. Always good to check the actual value of those resistors as well.

Curt KU8L

On 3/25/2018 9:56 AM, johng101501@... [DrakeRadio] wrote:

Mark- to have 100 ma current draw you would expect to see .495-.499 volts across each cathode resistor with no rf drive--gain all the way down .100 ma divided by 3 tubes --33.3ma x.015 ohm (cathode resistor value). Great way to measure actual current and match tubes.

| | Virus-free. www...avast.com |

43955. Re: [DrakeRadio] Re: TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-26 00:10:06 UTC
From: Jim Shorney
Topic: 43937 Message: 43955

On Sun, 25 Mar 2018 22:51:37 +0000 (UTC), john g johng101501@... [DrakeRadio] wrote:

> I remember i ran across a post by Garey regarding the bouncing s-meter-In it he suggested a capacitor might be leaky-- I dont remember the capacitor number, but i replaced it in my tr4 and it really made a difference--mine bounced so bad it made the plate amp meter move too. search bouncing s meter and you may find it- as i remember it was on the old drake list.-?

And it still is:

https://www.mail-archive.com/drakelist@zerobeat.net/msg15336.html

73

-Jim
NU0C

--
?There?s something out of place ? let?s go and poke it with a stick.? ? The Doctor, "Amy?s Choice"

43956. DONE!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-26 00:36:15 UTC
From: Joe
Topic: 43956 Message: 43956

With many thanks to Tom Evans, AG9X, for his invaluable help in first finding, and then Elmer'ing me through its strange interface, a program to do complete backups of YahooGroups.

Drake Radio is completely backed up, files, photos, attachments and the entire message base is now safely stored on my in-house network storage.

We can all breathe more easily now! <<GRIN>>

Joe Wolfe - W7RKN

43957. Re: [DrakeRadio] DONE!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-26 00:49:15 UTC
From: Jim Shorney
Topic: 43956 Message: 43957

Awesome! Great work Joe!

73

-Jim
NU0C

On Sun, 25 Mar 2018 17:36:15 -0700, Joe w7rkn.7@... [DrakeRadio] wrote:

>With many thanks to Tom Evans, AG9X, for his invaluable help in first
>finding, and then Elmer'ing me through its strange interface, a program to
>do complete backups of YahooGroups.
>
>
>
>Drake Radio is completely backed up, files, photos, attachments and the
>entire message base is now safely stored on my in-house network storage.
>
>
>
>We can all breathe more easily now! <<GRIN>>
>
>
>
>Joe Wolfe - W7RKN
>
>

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"

43958. Re: [DrakeRadio] DONE!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-26 01:20:59 UTC
From: Henry L. Dorkin
Topic: 43958 Message: 43958

Thank you from all of us. Whether ultimately necessary or not, I feel better knowing you have it backed up.

Hank
WM1V

With many thanks to Tom Evans, AG9X, for his invaluable help in first finding, and then Elmering me through its strange interface, a program to do complete backups of YahooGroups.

Drake Radio is completely backed up, files, photos, attachments and the entire message base is now safely stored on my in-house network storage.

We can all breathe more easily now! GRIN

Joe Wolfe W7RKN

43959. Re: [DrakeRadio] DONE!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-26 01:54:11 UTC
From: VE7PS
Topic: 43956 Message: 43959

Nice work Joe and Tom!? Thank you.? Garey would have been pleased. So am I!

73
Peter
VE7PS

On 3/25/2018 5:36 PM, Joe w7rkn.7@... [DrakeRadio] wrote:
>
> With many thanks to Tom Evans, AG9X, for his invaluable help in first
> finding, and then Elmer?ing me through its strange interface, a
> program to do complete backups of YahooGroups.
>
> Drake Radio is completely backed up, files, photos, attachments and
> the entire message base is now safely stored on my in-house network
> storage.
>
> We can all breathe more easily now! <<GRIN>>
>
> Joe Wolfe ? W7RKN
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

43960. Re: [DrakeRadio] DONE!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-26 11:44:16 UTC
From: Steve Wedge
Topic: 43956 Message: 43960

Thanks for doing this, Joe. I know it was probably a ton of work that took your time from other things. I appreciate it.

73,

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Mar 25, 2018 at 8:36 PM, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> With many thanks to Tom Evans, AG9X, for his invaluable help in first
> finding, and then Elmer’ing me through its strange interface, a program to
> do complete backups of YahooGroups.
>
>
>
> Drake Radio is completely backed up, files, photos, attachments and the
> entire message base is now safely stored on my in-house network storage.
>
>
>
> We can all breathe more easily now! <<GRIN>>
>
>
>
> Joe Wolfe – W7RKN
>
>
>

43961. Re: [DrakeRadio] DONE!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-26 13:00:40 UTC
From: Brian Smith
Topic: 43956 Message: 43961

Thank you joe

Brian Smith

> On Mar 26, 2018, at 6:44 AM, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Thanks for doing this, Joe. I know it was probably a ton of work that took your time from other things. I appreciate it.
>
> 73,
>
> Steve Wedge, W1ES/4
>
> Time flies like an arrow; fruit flies like a banana.
>
>> On Sun, Mar 25, 2018 at 8:36 PM, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>> With many thanks to Tom Evans, AG9X, for his invaluable help in first finding, and then Elmer’ing me through its strange interface, a program to do complete backups of YahooGroups.
>>
>>
>>
>> Drake Radio is completely backed up, files, photos, attachments and the entire message base is now safely stored on my in-house network storage.
>>
>>
>>
>> We can all breathe more easily now! <<GRIN>>
>>
>>
>>
>> Joe Wolfe – W7RKN
>>
>
>

43962. Re: [DrakeRadio] Re: TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-26 13:15:05 UTC
From: Curt Nixon
Topic: 43937 Message: 43962

Hi Steve: THe Pout reduction is the least of it. Problem is if one sets the bias or "Calibrates" using a resistor that is off--the bias could be far from safe or linear--depending. Curt KU8L

On 03/25/18 5:36 PM, Steve Wedge steve27302@... [DrakeRadio] wrote:
>
> That's a good point, Curt. At 15 ohms, 10% is 1.5 ohms and I've seen
> some of these that have drifted past 20 ohms. That means less current
> through the cathode and less power out.
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly
> sophisticated software.
>
> On Mar 25, 2018, at 13:35, john g johng101501@...
> <mailto:johng101501@...> [DrakeRadio]
> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> decimal points are correct
>>
>> On ☐Sunday☐, ☐March☐ ☐25☐, ☐2018☐ ☐01☐:☐15☐:☐53☐ ☐PM☐ ☐EDT, Curt
>> Nixon captcurt@... <mailto:captcurt@...> [DrakeRadio]
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>>
>> I think you may have some decimal points in the wrong place. Always
>> good to check the actual value of those resistors as well.
>>
>> Curt KU8L
>>
>> On 3/25/2018 9:56 AM, johng101501@...
>> <mailto:johng101501@...> [DrakeRadio] wrote:
>>>
>>> Mark- to have 100 ma current draw you would expect to see .495-.499
>>> volts across each cathode resistor with no rf drive--gain all the
>>> way down .100 ma divided by 3 tubes --33.3ma x.015 ohm (cathode
>>> resistor value). Great way to measure actual current and match tubes.
>>>
>>
>>
>> alt
>> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=icon>

>> Virus-free. www..avast.com
>> <https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=link>
>>
>>
>> <#DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>

43964. Re: [DrakeRadio] Re: TR-4 Meter alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-03-26 14:47:43 UTC
From: Mark Alexander
Topic: 43937 Message: 43964

Richard,I was informed some time ago on the Drake Tech net that the only "fix" for a bouncy meter was a replacement. If I remember correctly and as was stated in this thread, Drake used a cheap meter in TR-4 in the beginning but may have made some improvement in later S/N's ?The idea was to get a meter from a later model S/N, I took a chance on a parted out one and it seems much better. I can tell the difference just by physically (gently) shaking the meters.I was also told of the capacitor "fix" but no one actually said they tried this fix and if it worked, so I went on the advice of the Tech Net and found a replacement.I see several important items to take away from this discussion.
During alignment or when replacing finals :1) Measuring the 15 Ohm cathode resistors resistance.2) Measuring the voltage drop across each to verify meter and tube condition3) Use good quality metal oxide film type resistor if replacing.
Again thanks all 73'sMark
P.S.I have a "functional" used plate meter for sale ! It is the averaging kind where in you have to estimate the middle of the reading swing. Cheap !
On Monday, March 26, 2018, 8:46:36 AM CDT, Curt Nixon captcurt@flash.net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Hi Steve: THe Pout reduction is the least of it. Problem is if one sets the bias or "Calibrates" using a resistor that is off--the bias could be far from safe or linear--depending. Curt KU8L

On 03/25/18 5:36 PM, Steve Wedge steve27302@... [DrakeRadio] wrote:

That’s a good point, Curt. At 15 ohms, 10% is 1.5 ohms and I’ve seen some of these that have drifted past 20 ohms. That means less current through the cathode and less power out.

Steve Wedge, W1ES/4
Sent from my iPhone - the typos have been generated by highly sophisticated software.
On Mar 25, 2018, at 13:35, john g johng101501@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

  decimal points are correct

On ☐Sunday☐, ☐March☐ ☐25☐, ☐2018☐ ☐01☐:☐15☐:☐53☐ ☐PM☐ ☐EDT, Curt Nixon captcurt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I think you may have some decimal points in the wrong place. Always good to check the actual value of those resistors as well.

Curt KU8L

On 3/25/2018 9:56 AM, johng101501@... [DrakeRadio] wrote:

Mark- to have 100 ma current draw you would expect to see .495-.499 volts across each cathode resistor with no rf drive--gain all the way down .100 ma divided by 3 tubes --33.3ma x.015 ohm (cathode resistor value). Great way to measure actual current and match tubes.

| | Virus-free. www..avast.com |

43965. Re: [DrakeRadio] DONE!!!

Yahoo group: DrakeRadio (2018)
Date: 2018-03-26 15:39:21 UTC
From: blumu
Topic: 43956 Message: 43965

Many many thanks, Tom and Joe.
We all can now breathe more easily!

Michael 2E0IHW

...
> With many thanks to Tom Evans, AG9X, for his invaluable help in first
> finding, and then Elmer?ing me through its strange interface, a program
> to do complete backups of YahooGroups.
>
> Drake Radio is completely backed up, files, photos, attachments and the
> entire message base is now safely stored on my in-house network storage.
>
> We can all breathe more easily now!? <<GRIN>>
>
> Joe Wolfe ? W7RKN

43966. Re: Drake TR4CWrit 9 mhz oscillator

Yahoo group: DrakeRadio (2018)
Date: 2018-03-26 17:05:14 UTC
From: ve3fwf@...
Topic: 43929 Message: 43966

Adam

Did you happen to measure the actual frequency for the 9 MHz crystal?

73, Bernie

43967. Drake Parts for sale...revised list & prices

Yahoo group: DrakeRadio (2018)
Date: 2018-03-26 23:32:07 UTC
From: Kc9cdt@...
Topic: 43967 Message: 43967

Hi, Have these Drake parts FS:

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $50. This is RARE to find....and allows you to upgrade from old wafer power on/off to snap switch.

7) Knob for L-4B WITH white line NOS.....$10.
8) Knob for L-4B No white line NOS....$10
9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
11) New bottem cover for AC-4 PS....$1
12) New Plate meter for TR-4 etc....P/N 358-0160....$30
13) New Plate meter for TR-4 etc....P/N 358-0160....$30
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr-4 as well??) P/N 366-0255....$25
21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr-4 as well??) P/N 366-0255....$25
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$10
40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
50) 1 NOS AC-4 cable plug (cinch).....$10
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
67) 39 Set Screw standard BAR knobs NOS or excellent cond.....$2 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$10
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$10
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$10
71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$5
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$2
77) 1 New Jersey Semiconductor 2N2430....NOS...$2
78) 3 New Jersey Semiconductor 2N2926....NOS...$6
79) 2 New Jersey Semiconductor 2N3638....NOS...$4
80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
82 Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)

Drake Crystals: $15 EACH.....+ shipping

Here's what left.

21.1
40.1

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43968. Need To Find....

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 05:46:26 UTC
From: Joe
Topic: 43968 Message: 43968

L7 VOX relay (Or good part number wherever….)

And..

If you have one laying around, an Ameritron ARB-704 amp interface.

Damned cat hairs!

Joe – W7RKN

43969. Drake SPR-4 Range and Preselector Settings

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 15:15:22 UTC
From: jonizornes@...
Topic: 43969 Message: 43969
Attachments: 1 described; binary payloads are missing from this source WARC

Here are the Range and Preselector settings for the SPR-4. When I bought some used range xtals, I needed to find out what the settings were suppose to be, but I couldn't find anything in the service book for each specific xtal nor could I find much on the internet. Someone finally sent me a factory sheet of stickers, for all frequencies, that apply to the dial and I copied from that.
After I built the Hagtronics unit, it had mostly the same settings, but some were different. On the attached word doc, I included those alternate settings on the list, noted in "red".

MHZ RNG PRE MHZ RNG PRE

.2 A 0 - 10 15.0 F 8
.5 B 0 – 6 15.5 F 8
1.0 B 6 – 10 16.0 F 8.5
1.5 C 1 – 4 16.5 F 8.5
2.0 C 4 17.0 F 8.5
2.5 C 5.5 17.5 G 7.5
3.0 D 1 18.0 G 7.5
3.5 D 2.5 18.5 G 8
4.0 D 4 19.0 G 8
4.5 D 5 19.5 G 8
5.0 D 5.5 20.0 G 8.5
5.5 D 6.5 20.5 G 8.5
6.0 E 4 21.0 G 8.5
6.5 E 4.5 21.5 G 9
7.0 E 5.5 22.0 G 9
7.5 E 6 22.5 G 9
8.0 E 6.5 23.0 H 8
8.5 E 6.5 23.5 H 8
9.0 F 4.5 24.0 H 8
9.5 F 5.0 24.5 H 8.5
10.0 F 5.5 25.0 H 8.5
10.5 F 5.5 25.5 H 8.5
11.0 F 5.5 26.0 H 9
11.5 F 6 26.5 H 9
12.0 F 6.5 27.0 H 9
12.5 F 6.5 27.5 H 9.5
13.0 F 7 28.0 H 9.5
13.5 F 7 28.5 H 9.5
14.0 F 7.5 29.0 H 9.5
14.5 F 7.5 29.5 H 10

43970. New file uploaded to DrakeRadio

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 15:16:14 UTC
From: DrakeRadio@yahoogroups.com
Topic: 3736 Message: 43970

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the DrakeRadio
group.

File : /SPR-4 RANGE AND PRESELECTOR SETTINGS.doc
Uploaded by : jonizornes@... <jonizornes@...>
Description : Drake SPR-4 Range and Preselector settings

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/DrakeRadio/files/SPR-4%20RANGE%20AND%20PRESELECTOR%20SETTINGS.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

jonizornes@... <jonizornes@...>

43971. Help Identifying 2 Drake Snap switched for 4-line

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 16:10:06 UTC
From: Kc9cdt@...
Topic: 43971 Message: 43971
Attachments: 1 described; binary payloads are missing from this source WARC

Hi everyone...
I have 2 of these snap switches FS.
I originally thought they were for receivers ...

Now I have reason to think they are for the Transmitters (maybe TR as well??)

Please check out the attached photo and tell me which radio they are for.

Many thanks...
73,
:Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43972. Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line [1 Attachment]

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 16:22:53 UTC
From: Michael
Topic: 43971 Message: 43972

Looks like the on/off switch used on many of the Drakes

On Tue, Mar 27, 2018 at 11:10 AM, Kc9cdt@... [DrakeRadio]<DrakeRadio@yahoogroups.com> wrote:
Hi everyone...
I have 2 of these snap switches FS.I originally thought they were for receivers ...
Now I have reason to think they are for the Transmitters (maybe TR as well??)
Please check out the attached photo and tell me which radio they are for.
Many thanks...73,:Lee

Lee SimmondsSummit DCS 260-403-6936 Cell

43973. Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line [1 Attachment]

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 16:33:53 UTC
From: James R. Bartlett
Topic: 43971 Message: 43973

Hi Lee,
To me they look very similar to the switches used
On some of the Collins S line.
The Collins ones were made by Oak.
That should be on the metal work..
Hope you find out for sure.
73's
Jim
Ei2BB

On 27 March 2018 at 17:10, Kc9cdt@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Hi everyone...
> I have 2 of these snap switches FS.
> I originally thought they were for receivers ...
>
> Now I have reason to think they are for the Transmitters (maybe TR as
> well??)
>
> Please check out the attached photo and tell me which radio they are for.
>
> Many thanks...
> 73,
> :Lee
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 <(260)%20403-6936> Cell
>
>
>

43974. Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 16:49:36 UTC
From: Kc9cdt@...
Topic: 43971 Message: 43974

Yes, But which ones?

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Michael michaeldotc@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; drakeradio <drakeradio@yahoogroups.com>
Sent: Tue, Mar 27, 2018 12:24 pm
Subject: Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line

Looks like the on/off switch used on many of the Drakes

On Tue, Mar 27, 2018 at 11:10 AM, Kc9cdt@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:

Hi everyone...
I have 2 of these snap switches FS.
I originally thought they were for receivers ...

Now I have reason to think they are for the Transmitters (maybe TR as well??)

Please check out the attached photo and tell me which radio they are for.

Many thanks...
73,
:Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43975. Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line [1 Attachment]

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 16:52:32 UTC
From: Steve Wedge
Topic: 43971 Message: 43975

That looks like it would work on all of them. I believe you piggy-back onto the pot or rotary switch.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Mar 27, 2018, at 12:10, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Hi everyone...
>
> I have 2 of these snap switches FS.
> I originally thought they were for receivers ...
>
> Now I have reason to think they are for the Transmitters (maybe TR as well??)
>
> Please check out the attached photo and tell me which radio they are for.
>
> Many thanks...
> 73,
> :Lee
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 Cell
>
> <IMG_4310.JPG>

43976. Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 16:53:28 UTC
From: Kc9cdt@...
Topic: 43971 Message: 43976

P/N is 11696-A
5a rating
Make by OAK

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Michael michaeldotc@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; drakeradio <drakeradio@yahoogroups.com>
Sent: Tue, Mar 27, 2018 12:24 pm
Subject: Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line

Looks like the on/off switch used on many of the Drakes

On Tue, Mar 27, 2018 at 11:10 AM, Kc9cdt@aol.com [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:

Hi everyone...
I have 2 of these snap switches FS.
I originally thought they were for receivers ...

Now I have reason to think they are for the Transmitters (maybe TR as well??)

Please check out the attached photo and tell me which radio they are for.

Many thanks...
73,
:Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43977. Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line [1 Attachment]

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 16:58:38 UTC
From: Kc9cdt@...
Topic: 43971 Message: 43977

The switch may be for Collins?? But it was in my Drake parts box?
Only way to tell if if someone has a Drake 4-line and looks close at the switch or has a parts radio with one to dis-assemble..
But, I want to make it available as these are hard to come by...
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Steve Wedge <steve27302@gmail.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Kc9cdt <Kc9cdt@aol.com>
Sent: Tue, Mar 27, 2018 12:52 pm
Subject: Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line [1 Attachment]

That looks like it would work on all of them. I believe you piggy-back onto the pot or rotary switch.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

On Mar 27, 2018, at 12:10, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Hi everyone...
I have 2 of these snap switches FS.
I originally thought they were for receivers ...

Now I have reason to think they are for the Transmitters (maybe TR as well??)

Please check out the attached photo and tell me which radio they are for.

Many thanks...
73,
:Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

<IMG_4310.JPG>

43978. Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 16:59:11 UTC
From: James R. Bartlett
Topic: 43971 Message: 43978

Lee,
They are not used on the S line receivers.
If they are Oak, possibly used on the 32S series of transmitters.
There are a lot of switches that look the same but are totally different.
Confused, so am I.

73's
Jim

On 27 March 2018 at 17:49, Kc9cdt@... [DrakeRadio] <
DrakeRadio@...m> wrote:

>
>
> Yes, But which ones?
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 <(260)%20403-6936> Cell
>
>
> -----Original Message-----
> From: Michael michaeldotc@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>; drakeradio <
> drakeradio@yahoogroups.com>
> Sent: Tue, Mar 27, 2018 12:24 pm
> Subject: Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line
>
>
> Looks like the on/off switch used on many of the Drakes
>
>
> On Tue, Mar 27, 2018 at 11:10 AM, Kc9cdt@... [DrakeRadio]
> <DrakeRadio@yahoogroups.com> wrote:
>
> Hi everyone...
> I have 2 of these snap switches FS.
> I originally thought they were for receivers ...
>
> Now I have reason to think they are for the Transmitters (maybe TR as
> well??)
>
> Please check out the attached photo and tell me which radio they are for.
>

> Many thanks...
> 73,
> :Lee
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 <(260)%20403-6936> Cell
>
>
>

43979. Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 17:41:41 UTC
From: Stu Willcox
Topic: 43971 Message: 43979

I discovered from recent experience that these switches will not work on my R-4C function switch without modification. The actuating ears are too long.
The left side ear must be cut down to avoid interference with the bracket. The right side ear must be cut down and shaped such that after actuation it will clear the drive tang on the rotary switch thus allowing the switch to rotate to its subsequent positions.

I just about had modification success with judicious use of my Dremel tool, but needed to take ‘just a little more’ off the right side ear. In doing so, the tool nicked the spring, neatly cutting it into two pieces. I thought maybe the spring from the old switch might work, but (a) it is mounted opposite to the position of the new switch so another hole would be needed in the phenolic backplate to make it work, (b) it’s a bear to remove, and (c) it appears to be next to impossible to reinstall and keep the interior switch contacts in place. At that point, I surrendered.

Bottom line here: Compare the switch that Lee has available with your faulty switch to be sure that it has similar actuating ears, or be aware that some modification
will likely be required.

73, Stu. W7FE

> On Mar 27, 2018, at 9:52 AM, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
> That looks like it would work on all of them. I believe you piggy-back onto the pot or rotary switch.
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly sophisticated software.
>
>> On Mar 27, 2018, at 12:10, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>> Hi everyone...
>>
>> I have 2 of these snap switches FS.
>> I originally thought they were for receivers ...
>>
>> Now I have reason to think they are for the Transmitters (maybe TR as well??)
>>
>> Please check out the attached photo and tell me which radio they are for.
>>
>> Many thanks...
>> 73,
>> :Lee

>>
>> Lee Simmonds
>> Summit DCS
>>
>> 260-403-6936 Cell
>> <IMG_4310.JPG>
>
>
>

43980. Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 18:36:46 UTC
From: MadScientist1948
Topic: 43971 Message: 43980

Those are indeed the Oak switches from S Line 32S-x and KWM-2 transceivers.

Gary

> On Mar 27, 2018, at 12:41 PM, Stu Willcox w7fe@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I discovered from recent experience that these switches will not work on my R-4C function switch without modification. The actuating ears are too long.
> The left side ear must be cut down to avoid interference with the bracket. The right side ear must be cut down and shaped such that after actuation it will clear the drive tang on the rotary switch thus allowing the switch to rotate to its subsequent positions.
>
>
> I just about had modification success with judicious use of my Dremel tool, but needed to take ‘just a little more’ off the right side ear. In doing so, the tool nicked the spring, neatly cutting it into two pieces. I thought maybe the spring from the old switch might work, but (a) it is mounted opposite to the position of the new switch so another hole would be needed in the phenolic backplate to make it work, (b) it’s a bear to remove, and (c) it appears to be next to impossible to reinstall and keep the interior switch contacts in place. At that point, I surrendered.
>
> Bottom line here: Compare the switch that Lee has available with your faulty switch to be sure that it has similar actuating ears, or be aware that some modification
> will likely be required.
>
> 73, Stu. W7FE
>
> On Mar 27, 2018, at 9:52 AM, Steve Wedge steve27302@gmail.com <mailto:steve27302@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> That looks like it would work on all of them. I believe you piggy-back onto the pot or rotary switch.
>>
>> Steve Wedge, W1ES/4
>>
>> Sent from my iPhone - the typos have been generated by highly sophisticated software.
>>
>> On Mar 27, 2018, at 12:10, Kc9cdt@... <mailto:Kc9cdt@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>>>
>>> Hi everyone...
>>>
>>> I have 2 of these snap switches FS.

>>> I originally thought they were for receivers ...
>>>
>>> Now I have reason to think they are for the Transmitters (maybe TR as well??)
>>>
>>> Please check out the attached photo and tell me which radio they are for.
>>>
>>> Many thanks...
>>> 73,
>>> :Lee
>>>
>>> Lee Simmonds
>>> Summit DCS
>>>
>>> 260-403-6936 Cell
>>>
>>> <IMG_4310.JPG>
>
>
>

43981. Hamvention Xenia

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 19:23:35 UTC
From: Rory
Topic: 43981 Message: 43981

So is an odd request, since I can't make it to Xenia would somebody perhaps look for a AC-4 power supply in the swap area? I'm not looking for a beauty queen but something that is rebuildable.

I would like to keep it in the $150 or lower range.

Thanks

N6OIL- Rory

43982. Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 20:35:37 UTC
From: Kc9cdt@...
Topic: 43971 Message: 43982

Thanks,
Stu.....for helping us all out on this..
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Stu Willcox w7fe@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; Steve Wedge <steve27302@...>
Sent: Tue, Mar 27, 2018 1:58 pm
Subject: Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line

I discovered from recent experience that these switches will not work on my R-4C function switch without modification. The actuating ears are too long.
The left side ear must be cut down to avoid interference with the bracket. The right side ear must be cut down and shaped such that after actuation it will clear the drive tang on the rotary switch thus allowing the switch to rotate to its subsequent positions.

I just about had modification success with judicious use of my Dremel tool, but needed to take ‘just a little more’ off the right side ear. In doing so, the tool nicked the spring, neatly cutting it into two pieces. I thought maybe the spring from the old switch might work, but (a) it is mounted opposite to the position of the new switch so another hole would be needed in the phenolic backplate to make it work, (b) it’s a bear to remove, and (c) it appears to be next to impossible to reinstall and keep the interior switch contacts in place. At that point, I surrendered.

Bottom line here: Compare the switch that Lee has available with your faulty switch to be sure that it has similar actuating ears, or be aware that some modification
will likely be required.

73, Stu. W7FE

On Mar 27, 2018, at 9:52 AM, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

That looks like it would work on all of them. I believe you piggy-back onto the pot or rotary switch.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

On Mar 27, 2018, at 12:10, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Hi everyone...
I have 2 of these snap switches FS.
I originally thought they were for receivers ...

Now I have reason to think they are for the Transmitters (maybe TR as well??)

Please check out the attached photo and tell me which radio they are for.

Many thanks...
73,
:Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

43983. Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 20:36:46 UTC
From: Kc9cdt@...
Topic: 43971 Message: 43983

OK, Great,
Thanks Gary...
I'll take them off the Drake parts list.
73.
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: MadScientist1948 dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: WB6TNF handyjimbo@... [DrakeRadio] <DrakeRadio@yahoogroups.com>; Stu Willcox <w7fe@...>
Cc: Steve Wedge <steve27302@gmail.com>
Sent: Tue, Mar 27, 2018 2:40 pm
Subject: Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line

Those are indeed the Oak switches from S Line 32S-x and KWM-2 transceivers.

Gary

On Mar 27, 2018, at 12:41 PM, Stu Willcox w7fe@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I discovered from recent experience that these switches will not work on my R-4C function switch without modification. The actuating ears are too long.
The left side ear must be cut down to avoid interference with the bracket. The right side ear must be cut down and shaped such that after actuation it will clear the drive tang on the rotary switch thus allowing the switch to rotate to its subsequent positions.

I just about had modification success with judicious use of my Dremel tool, but needed to take ‘just a little more’ off the right side ear. In doing so, the tool nicked the spring, neatly cutting it into two pieces. I thought maybe the spring from the old switch might work, but (a) it is mounted opposite to the position of the new switch so another hole would be needed in the phenolic backplate to make it work, (b) it’s a bear to remove, and (c) it appears to be next to impossible to reinstall and keep the interior switch contacts in place. At that point, I surrendered.

Bottom line here: Compare the switch that Lee has available with your faulty switch to be sure that it has similar actuating ears, or be aware that some modification
will likely be required.

73, Stu. W7FE

On Mar 27, 2018, at 9:52 AM, Steve Wedge steve27302@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

That looks like it would work on all of them. I believe you piggy-back onto the pot or rotary switch.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

On Mar 27, 2018, at 12:10, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Hi everyone...
I have 2 of these snap switches FS..
I originally thought they were for receivers ...

Now I have reason to think they are for the Transmitters (maybe TR as well??)

Please check out the attached photo and tell me which radio they are for.

Many thanks...
73,
:Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

<IMG_4310.JPG>

43984. Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 20:53:20 UTC
From: MadScientist1948
Topic: 43971 Message: 43984

They are worth about $100 each to Collins guys…

Gary

> On Mar 27, 2018, at 3:36 PM, Kc9cdt@... [DrakeRadio] <DrakeRadio@...m> wrote:
>
> OK, Great,
>
> Thanks Gary...
> I'll take them off the Drake parts list.
> 73.
> Lee
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 Cell
>
>
> -----Original Message-----
> From: MadScientist1948 dukeshifi@... <mailto:dukeshifi@...> [DrakeRadio]
<DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
> To: WB6TNF handyjimbo@yahoo.com <mailto:handyjimbo@...> [DrakeRadio] <DrakeRadio@...m
<mailto:DrakeRadio@yahoogroups.com>>; Stu Willcox <w7fe@... <mailto:w7fe@...>>
> Cc: Steve Wedge <steve27302@... <mailto:steve27302@gmail.com>>
> Sent: Tue, Mar 27, 2018 2:40 pm
> Subject: Re: [DrakeRadio] Help Identifying 2 Drake Snap switched for 4-line
>
>
> Those are indeed the Oak switches from S Line 32S-x and KWM-2 transceivers.
>
> Gary
>
> On Mar 27, 2018, at 12:41 PM, Stu Willcox w7fe@... <mailto:w7fe@...> [DrakeRadio]
<DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
> I discovered from recent experience that these switches will not work on my R-4C function switch without modification. The actuating ears are too long.
> The left side ear must be cut down to avoid interference with the bracket. The right side ear must be cut down and shaped such that after actuation it will clear the drive tang on the rotary switch thus allowing the switch to rotate to its subsequent positions.
>
> I just about had modification success with judicious use of my Dremel tool, but needed to take ‘just a little more’ off the right side ear. In doing so, the tool nicked the spring, neatly cutting it into two pieces. I thought maybe the spring from the old switch might

work, but (a) it is mounted opposite to the position of the new switch so another hole would be needed in the phenolic backplate to make it work, (b) it’s a bear to remove, and (c) it appears to be next to impossible to reinstall and keep the interior switch contacts in place. At that point, I surrendered.
>
> Bottom line here: Compare the switch that Lee has available with your faulty switch to be sure that it has similar actuating ears, or be aware that some modification
> will likely be required.
>
> 73, Stu. W7FE
>
> On Mar 27, 2018, at 9:52 AM, Steve Wedge steve27302@... <mailto:steve27302@gmail.com> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
> That looks like it would work on all of them. I believe you piggy-back onto the pot or rotary switch.
>
> Steve Wedge, W1ES/4
>
> Sent from my iPhone - the typos have been generated by highly sophisticated software.
>
> On Mar 27, 2018, at 12:10, Kc9cdt@... <mailto:Kc9cdt@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>
> Hi everyone...
> I have 2 of these snap switches FS..
> I originally thought they were for receivers ...
>
> Now I have reason to think they are for the Transmitters (maybe TR as well??)
>
> Please check out the attached photo and tell me which radio they are for.
>
> Many thanks...
> 73,
> :Lee
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 Cell
>
> <IMG_4310.JPG>
>
>
>
>

43985. Re: [DrakeRadio] Hamvention Xenia

Yahoo group: DrakeRadio (2018)
Date: 2018-03-27 20:58:46 UTC
From: MadScientist1948
Topic: 43981 Message: 43985

I have s non-beautiful but working AC-3 for $70 plus shipping…

Gary

> On Mar 27, 2018, at 2:23 PM, Rory n6oil@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> So is an odd request, since I can't make it to Xenia would somebody perhaps look for a AC-4 power supply in the swap area? I'm not looking for a beauty queen but something that is rebuildable..
>
> I would like to keep it in the $150 or lower range.
>
>
> Thanks
>
> N6OIL- Rory
>
>

43987. Re: [DrakeRadio] R-4A -- Resistance of T-1 primary and secondary

Yahoo group: DrakeRadio (2018)
Date: 2018-03-28 13:32:52 UTC
From: MadScientist1948
Topic: 43986 Message: 43987

They should so low that you cannot get a reasonable reading.These are coils with very few turns. You might get a reading around a few tenths of an ohm on the secondary.

There should be no leakage conductance between primary and secondary

Are you losing a lot of signal in that coil?ow are you measuring that loss?

Gary

> On Mar 28, 2018, at 8:18 AM, hwfoglesong@gmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Can someone tell me what the resistance of the primary and secondary coils of T-1 should be in my R-4A?
>
>
>
>
>

43988. Re: Drake SPR-4 Range and Preselector Settings

Yahoo group: DrakeRadio (2018)
Date: 2018-03-28 17:59:54 UTC
From: garywinblad@...
Topic: 43969 Message: 43988

Thank you Joni,
I have made changes in the SPR-4 table and posted my Rev1.2 Arduino code in my folder
$26 Homebrew FS-4

73,
Gary
WB6OGD

43989. LA7 600 ohm line amp

Yahoo group: DrakeRadio (2018)
Date: 2018-03-29 17:27:11 UTC
From: <todd@...>
Topic: 43989 Message: 43989

I would like to understand how the Drake LA7 Model 1230, 600 ohm Line Amplifier is used. I can not seem to find much information about it. Thanks,? Todd? K1TOD

43990. Re: [DrakeRadio] LA7 600 ohm line amp

Yahoo group: DrakeRadio (2018)
Date: 2018-03-29 18:17:32 UTC
From: Gary Woods
Topic: 43989 Message: 43990

On Thu, 29 Mar 2018 10:27:11 -0700, you wrote:

>
>
>I would like to understand how the Drake LA7 Model 1230, 600 ohm Line Amplifier is used. I can not seem to find much information about it. Thanks, Todd K1TOD

Sounds like something meant to drive a phone line for remote operation
or perhaps audio equipment at some distance. 600 ohms is/was pretty
standard for broadcast audio.

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

43991. Re: [DrakeRadio] LA7 600 ohm line amp

Yahoo group: DrakeRadio (2018)
Date: 2018-03-29 18:38:34 UTC
From: Curt Nixon
Topic: 43989 Message: 43991

Designed for providing 600 OHm Balanced/unbal to drive a RTTY Terminal unit or a phone (patch) system.? I remember it as the RTTY interface so you never worried about setting the volume as it is constant but adjusted internally.

See this:
http://www.navy-radio.com/manuals/tty/rtty-journal/1978-1982/PDF/VO30NO1.PDF

Ad by Drake.

Curt,

KU8L

On 03/29/18 2:17 PM, Gary Woods garygarlic@... [DrakeRadio] wrote:
>
> On Thu, 29 Mar 2018 10:27:11 -0700, you wrote:
>
> >
> >
> >I would like to understand how the Drake LA7 Model 1230, 600 ohm Line
> Amplifier is used. I can not seem to find much information about it.
> Thanks, Todd K1TOD
>
> Sounds like something meant to drive a phone line for remote operation
> or perhaps audio equipment at some distance. 600 ohms is/was pretty
> standard for broadcast audio.
>
> ---
> This email has been checked for viruses by Avast antivirus software.
> https://www.avast.com/antivirus
>
>

43992. TR4C DRAKE PARTING OUT

Yahoo group: DrakeRadio (2018)
Date: 2018-03-30 15:21:58 UTC
From: wa2hso@...
Topic: 43992 Message: 43992

HI ALL....
still parting out a DRAKE tr4c
STILL LEFT;
cabinet
front panel
final vari- capacitors ,cage, coils
most all small transformers
some sub boards
some controls
crystals (except cal)
EMAIL YOUR NEED

dutton46@hotmail.com

43993. Re: [DrakeRadio] TR4C DRAKE PARTING OUT

Yahoo group: DrakeRadio (2018)
Date: 2018-03-30 16:01:03 UTC
From: Steve Wedge
Topic: 43992 Message: 43993

10mCW and 28.5-29.0 xtals?

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Fri, Mar 30, 2018 at 11:21 AM, wa2hso@yahoo.com [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> HI ALL....
> still parting out a DRAKE tr4c
> STILL LEFT;
> cabinet
> front panel
> final vari- capacitors ,cage, coils
> most all small transformers
> some sub boards
> some controls
> crystals (except cal)
> EMAIL YOUR NEED
>
> dutton46@hotmail.com
>
>

43994. Re: [DrakeRadio] TR4C DRAKE PARTING OUT

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 12:13:48 UTC
From: Mark Alexander
Topic: 43992 Message: 43994

Hi, I have a TR-4 that needs one of the bottom front plastic feet (the taller type) and some of the black cabinet screws (6) and the TXCR/RCVR side switch (as a spare) ThanksMark

On Friday, March 30, 2018, 10:22:11 AM CDT, wa2hso@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

HI ALL....
still parting out a DRAKE tr4c
STILL LEFT;
cabinet
front panel
final vari- capacitors ,cage, coils
most all small transformers
some sub boards
some controls
crystals (except cal)
EMAIL YOUR NEED

dutton46@...

43995. Twins FS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 14:16:13 UTC
From: <ka9egw@...>
Topic: 43995 Message: 43995

Our puppy needs surgery. I have a pair of B-Line and a pair of C-Line.
Pics on request. Please no trades. Can deliver to Stoughton WI hamfest
4/7. 73, Brian KA9EGW

43996. Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 07:36:35 UTC
From: f4dbd@...
Topic: 43996 Message: 43996
Attachments: 2 described; binary payloads are missing from this source WARC

Hi there,

My name is Frederick, thank you very much for this very helpful group.

I only own Drake matching boxes but I love this brand.

I have a Drake MN7 and now I just bought myself an MN2700. It comes from the USA and will arrive in France in April.

I saw 2 types of MN2700, can you tell me which one is the most recent and why there was a modification?

Mine is the s-l1600-7.jpg joined picture. Serial number : 5036

One has holes on the top cover and the other does not. We see the differences on the two photos attached to this message.

Thank you for your answers.

73, Fred.

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43997. Re: [DrakeRadio] Drake MN2700 two versions ? [2 Attachments]

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 15:28:01 UTC
From: Joe Pyles
Topic: 43996 Message: 43997

The early version of the MN2700 had the ceramic
coil form, the later used the phenolic form. My
guess was that the phenolic form was a cost cutting move.

73, Joe Pyles KC9LAD

At 03:36 AM 3/31/2018, you wrote:
>
>
>Hi there,
>
>My name is Frederick, thank you very much for this very helpful group.
>
>I only own Drake matching boxes but I love this brand.
>
>I have a Drake MN7 and now I just bought myself
>an MN2700. It comes from the USA and will arrive in France in April.
>
>I saw 2 types of MN2700, can you tell me which
>one is the most recent and why there was a modification?
>
>Mine is the s-l1600-7.jpg joined picture. Serial number : 5036
>
>One has holes on the top cover and the other
>does not. We see the differences on the two photos attached to this message.
>
>Thank you for your answers.
>
>73, Fred.
>
>Translated with <http://www.DeepL.com/Translator>www.DeepL.com/Translator
>
>

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http://www.avg.com

43998. Re: [DrakeRadio] Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 15:46:55 UTC
From: Evan
Topic: 43996 Message: 43998

In addition, the newer version had a perforated metal cover, with the perforations on the left side, above the phenolic coil form.

-----Original Message-----
From: Joe Pyles epyles@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; f4dbd <f4dbd@r-e-f.org>
Sent: Sat, Mar 31, 2018 11:28 am
Subject: Re: [DrakeRadio] Drake MN2700 two versions ?

The early version of the MN2700 had the ceramic coil form, the later usedthe phenolic form. My guess was that the phenolic form was a cost cuttingmove.

73, Joe Pyles KC9LAD

At 03:36 AM 3/31/2018, you wrote:

Hi there,

My name is Frederick, thank you very much for this very helpfulgroup.

I only own Drake matching boxes but I love this brand.

I have a Drake MN7 and now I just bought myself an MN2700. It comes fromthe USA and will arrive in France in April.

I saw 2 types of MN2700, can you tell me which one is the most recent andwhy there was a modification?

Mine is the s-l1600-7.jpg joined picture. Serial number : 5036

One has holes on the top cover and the other does not. We see thedifferences on the two photos attached to this message.

Thank you for your answers.

73, Fred.

Translated withwww.DeepL.com/Translator

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43999. Re: [DrakeRadio] Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 15:57:59 UTC
From: Lee Bahr
Topic: 43996 Message: 43999

You know why any tuner needs air vents in a tuner cabinet? Ans: Inefficiency because parts are getting warm or hot! Not a good indicator of a good tuner. A well designed tuner does not get warm nor needs vents.

Lee, w0vt

On 3/31/2018 10:46 AM, Evan k9sqg@... [DrakeRadio] wrote:
>
> In addition, the newer version had a perforated metal cover, with the
> perforations on the left side, above the phenolic coil form.
>
>
> -----Original Message-----
> From: Joe Pyles epyles@... [DrakeRadio]
> <DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>; f4dbd <f4dbd@...>
> Sent: Sat, Mar 31, 2018 11:28 am
> Subject: Re: [DrakeRadio] Drake MN2700 two versions ?
>
> The early version of the MN2700 had the ceramic coil form, the later
> used the phenolic form. My guess was that the phenolic form was a cost
> cutting move.
>
> 73, Joe Pyles KC9LAD
>
>
> At 03:36 AM 3/31/2018, you wrote:
>
>
>
> Hi there,
>
> My name is Frederick, thank you very much for this very helpful group.
>
> I only own Drake matching boxes but I love this brand.
>
> I have a Drake MN7 and now I just bought myself an MN2700. It
> comes from the USA and will arrive in France in April.
>
> I saw 2 types of MN2700, can you tell me which one is the most
> recent and why there was a modification?
>
> Mine is the s-l1600-7.jpg joined picture. Serial number : 5036
>

> One has holes on the top cover and the other does not. We see the
> differences on the two photos attached to this message.
>
> Thank you for your answers.
>
> 73, Fred.
>
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> <http://www.DeepL.com/Translator>
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ail&utm_content=emailclient>
> Virus-free. www.avg.com
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
>
>
> <#aolmail_DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>
>

44000. Re: [DrakeRadio] Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 16:11:51 UTC
From: Doug Coffman
Topic: 43996 Message: 44000

Lee,

If RF isn't transmitted down the coax what else is it going to turn into? Energy has to go somewhere doesn't it?

Doug - N9XTF

Sent from my iPhone

> On Mar 31, 2018, at 11:57, Lee Bahr w5drc@...t [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> You know why any tuner needs air vents in a tuner cabinet? Ans: Inefficiency because parts are getting warm or hot! Not a good indicator of a good tuner. A well designed tuner does not get warm nor needs vents.
> Lee, w0vt
>
>> On 3/31/2018 10:46 AM, Evan k9sqg@... [DrakeRadio] wrote:
>>
>> In addition, the newer version had a perforated metal cover, with the perforations on the left side, above the phenolic coil form.
>>
>>
>>
>> -----Original Message-----
>> From: Joe Pyles epyles@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
>> To: DrakeRadio <DrakeRadio@yahoogroups.com>; f4dbd <f4dbd@r-e-f.org>
>> Sent: Sat, Mar 31, 2018 11:28 am
>> Subject: Re: [DrakeRadio] Drake MN2700 two versions ?
>>
>>
>> The early version of the MN2700 had the ceramic coil form, the later used the phenolic form. My guess was that the phenolic form was a cost cutting move.
>>
>> 73, Joe Pyles KC9LAD
>>
>>
>> At 03:36 AM 3/31/2018, you wrote:
>>
>>
>> Hi there,
>>
>> My name is Frederick, thank you very much for this very helpful group.
>>
>> I only own Drake matching boxes but I love this brand.
>>

>> I have a Drake MN7 and now I just bought myself an MN2700. It comes from the USA and will arrive in France in April.
>>
>> I saw 2 types of MN2700, can you tell me which one is the most recent and why there was a modification?
>>
>> Mine is the s-l1600-7.jpg joined picture. Serial number : 5036
>>
>> One has holes on the top cover and the other does not. We see the differences on the two photos attached to this message.
>>
>> Thank you for your answers.
>>
>> 73, Fred.
>>
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>>
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>
>

44001. Re: [DrakeRadio] Drake MN2700 two versions ? [2 Attachments]

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 16:53:45 UTC
From: f4dbd@...
Topic: 43996 Message: 44001

Thanks Joe (KC9LAD) for your answer.

Now i'm waiting for my MN2700. A very good "made in USA" parts !

73, Fred.

44002. Re: [DrakeRadio] Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 17:37:54 UTC
From: Joe Pyles
Topic: 43996 Message: 44002

When a tuner matches the 50 ohms of the
transmitter to whatever the output sees there
will always be losses. And the reflected power
from the mismatch of the antenna to the feedline
could be considerable with the reflected wattage
appearing at the tuner output and since the tuner
keeps the transmitter from seeing it, it has to
go somewhere. And that somewhere will be into
heat. If you have 100 watts reflected it becomes heat.

73, Joe Pyles KC9LAD

At 11:57 AM 3/31/2018, you wrote:

>You know why any tuner needs air vents in a
>tuner cabinet?Â Ans:Â Inefficiency because
>parts are getting warm or hot!Â Not a good
>indicator of a good tuner.Â A well designed
>tuner does not get warm nor needs vents.
>
>Lee, w0vt
>
>On 3/31/2018 10:46 AM, Evan
><mailto:k9sqg@...>k9sqg@... [DrakeRadio] wrote:
>>Â
>>
>>In addition, the newer version had a perforated
>>metal cover, with the Â perforations on the
>>left side, above the phenolic coil form.
>>
>>
>>-----Original Message-----
>>From: Joe Pyles
>><mailto:epyles@...>epyles@...
>>[DrakeRadio] <mailto:DrakeRadio@yahoogroups.com><DrakeRadio@yahoogroups.com>
>>To: DrakeRadio
>><mailto:DrakeRadio@yahoogroups.com><DrakeRadio@yahoogroups.com>;
>>f4dbd <mailto:f4dbd@...><f4dbd@...>
>>Sent: Sat, Mar 31, 2018 11:28 am
>>Subject: Re: [DrakeRadio] Drake MN2700 two versions ?
>>
>>Â
>>The early version of the MN2700 had the ceramic
>>coil form, the later used the phenolic form. My
>>guess was that the phenolic form was a cost cutting move.
>>

>>73, Joe Pyles KC9LAD
>>
>>
>>At 03:36 AM 3/31/2018, you wrote:
>>Â
>>Hi there,
>>My name is Frederick, thank you very much for this very helpful group.
>>I only own Drake matching boxes but I love this brand.
>>I have a Drake MN7 and now I just bought myself
>>an MN2700. It comes from the USA and will arrive in France in April.
>>I saw 2 types of MN2700, can you tell me which
>>one is the most recent and why there was a modification?
>>Mine is the s-l1600-7.jpg joined picture. Serial number : 5036
>>One has holes on the top cover and the other
>>does not. We see the differences on the two photos attached to this message.
>>Thank you for your answers.
>>73, Fred.
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>>
>>
>>
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ail&utm_content=emailclient>
>>[]
>> Virus-free.
>> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-e
mail&utm_content=emailclient>www.avg.com
>>
>>
>>

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http://www.avg.com

44003. Re: [DrakeRadio] Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 18:46:15 UTC
From: Lee Bahr
Topic: 43996 Message: 44003

The only thing I agree with is all tuners have losses.? BUT, some have a lot of loss and some have very little.? Impedance transformation is their job.? Some do it much better then others. A friend of mine, W5MP and myself have made many many tests with different type tuners using the same feedline running full legal limit power.? Some tuners burn up, some get hot, some get warm, and some stay cool as a cucumber.? Transmission line loss is an entirely different matter.? Subject here is tuner loss.

Lee, w0vt

On 3/31/2018 12:37 PM, Joe Pyles epyles@... [DrakeRadio] wrote:
>
> When a tuner matches the 50 ohms of the transmitter to whatever the
> output sees there will always be losses. And the reflected power from
> the mismatch of the antenna to the feedline could be considerable with
> the reflected wattage appearing at the tuner output and since the
> tuner keeps the transmitter from seeing it, it has to go somewhere.
> And that somewhere will be into heat. If you have 100 watts reflected
> it becomes heat.
>
> 73, Joe Pyles KC9LAD
>
> At 11:57 AM 3/31/2018, you wrote:
>
>> You know why any tuner needs air vents in a tuner cabinet? Ans:
>> Inefficiency because parts are getting warm or hot! Not a good
>> indicator of a good tuner. A well designed tuner does not get warm
>> nor needs vents.
>>
>> Lee, w0vt
>>
>> On 3/31/2018 10:46 AM, Evan k9sqg@... <mailto:k9sqg@...>
>> [DrakeRadio] wrote:
>>> ?
>>>
>>> In addition, the newer version had a perforated metal cover, with
>>> the ? perforations on the left side, above the phenolic coil form.
>>>
>>>
>>> -----Original Message-----
>>> From: Joe Pyles epyles@... <mailto:epyles@...>
>>> [DrakeRadio] <DrakeRadio@yahoogroups.com>
>>> <mailto:DrakeRadio@yahoogroups.com>
>>> To: DrakeRadio <DrakeRadio@yahoogroups.com>

>>> <mailto:DrakeRadio@yahoogroups.com>; f4dbd <f4dbd@...>
>>> <mailto:f4dbd@...>
>>> Sent: Sat, Mar 31, 2018 11:28 am
>>> Subject: Re: [DrakeRadio] Drake MN2700 two versions ?
>>>
>>> ?
>>> The early version of the MN2700 had the ceramic coil form, the later
>>> used the phenolic form. My guess was that the phenolic form was a
>>> cost cutting move.
>>>
>>> 73, Joe Pyles KC9LAD
>>>
>>>
>>> At 03:36 AM 3/31/2018, you wrote:
>>>
>>> ?
>>> Hi there,
>>> My name is Frederick, thank you very much for this very helpful
>>> group.
>>> I only own Drake matching boxes but I love this brand.
>>> I have a Drake MN7 and now I just bought myself an MN2700. It
>>> comes from the USA and will arrive in France in April.
>>> I saw 2 types of MN2700, can you tell me which one is the most
>>> recent and why there was a modification?
>>> Mine is the s-l1600-7.jpg joined picture. Serial number : 5036
>>> One has holes on the top cover and the other does not. We see
>>> the differences on the two photos attached to this message.
>>> Thank you for your answers.
>>> 73, Fred.
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>>> <http://www.DeepL.com/Translator>
>>>
>>>
>>>
>>> []
>>> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>?Virus-free.
>>> www.avg.com
>>> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
>>> <#aolmail_DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>
>

44004. Re: Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 19:06:59 UTC
From: dj_coffman@...
Topic: 43996 Message: 44004

Lee,

Nothing was mentioned about transmission line losses, in any response that I have seen to this point.

What happens to the reflected power that a tuner sees that does not get radiated from the antenna? It simply does not disappear, it gets changed into another form of energy, I.E. heat. The longer you transmit and the more reflected power the tuner sees produces more heat. The larger the mismatch and the longer you transmit will produce more heat, it has to.

Doug - N9XTF

44005. Re: Twins FS

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 19:08:40 UTC
From: dj_coffman@...
Topic: 43995 Message: 44005

Brian,

What are you asking for the B line and what are you asking for the C line? Are they in poor, fair, good or excellent condition?

Thanks,

Doug - N9XTF

44006. Re: [DrakeRadio] Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 19:40:40 UTC
From: Lee Bahr
Topic: 43996 Message: 44006

You are assuming it can't be transmitted down the feedline. You are also assuming it has to be turned into heat. Truth is, it can be redirected and be sent back to the antenna for radiation without having to be turned into heat. (Neglecting minor losses as nothing is 100% efficient.)

Lee, w0vt

On 3/31/2018 11:11 AM, Doug Coffman dj_coffman@... [DrakeRadio] wrote:
>
> Lee,
>
>
> If RF isn’t transmitted down the coax what else is it going to turn
> into? Energy has to go somewhere doesn’t it?
>
> Doug - N9XTF

44007. Re: [DrakeRadio] Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 20:12:44 UTC
From: Lee Bahr
Topic: 43996 Message: 44007

I must respectfully say, Joe, you need to acquire more knowledge before making these false statements such as these:

1.? "You can't magically turn around and go the other way." (I agree you can't do it magically, but you can do it using good engineering practices.)

2. "Changing the coax to 2 inch hardline with virtually no loss, etc"? Truth is changing the size of the coax won't change the amount of loss due to a high SWR.? In fact the losses will be the same except for the less copper loss.? Coax size will increase or decrease copper loss but the loss due to impedance mismatch will be the same no matter what size coax you are using.? The larger diameter coax may appear cooler as it's heat sinking properties would be greater.? (Assuming the coax impedance is kept constant.)? It is never a good idea to use or pick coax when using it under high SWR conditions.? Either lower the mismatch when using it, or use a feedline better suited for dealing with high SWR .

Lee, w0vt

On 3/31/2018 2:54 PM, Joe Pyles wrote:
> What we are discussing is why a tuner would get hot. When you have
> reflected power on a feed line you can't make it magically turn around
> and go the other way. You could use 50 ohm 2 inch hard line with
> virtually no loss as long it is perfectly matched to the antenna but
> if there is a mismatch you will still have reflected power. The only
> thing a more efficient feed line will get you is less loss both ways.
> I have seen LMR400 feeding a 43 foot vertical at 1500 watts get so hot
> you couldn't touch it very long.
>
>
> 73, Joe Pyles KC9LAD
>
> At 03:40 PM 3/31/2018, Lee Bahr wrote:
>
>> You are assuming it can't be transmitted down the feedline. You are
>> also assuming it has to be turned into heat. Truth is, it can be
>> redirected and be sent back to the antenna for radiation without
>> having to be turned into heat. (Neglecting minor losses as nothing
>> is 100% efficient.)
>>
>> Lee, w0vt
>>
>> On 3/31/2018 11:11 AM, Doug Coffman dj_coffman@...
>> <mailto:dj_coffman@...> [DrakeRadio] wrote:
>>> ?
>>>

>>> Lee,
>>>
>>> If RF isn’t transmitted down the coax what else is it going to
>>> turn into? ? Energy has to go somewhere doesn’t it?
>>>
>>> Doug - N9XTF
>
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
> Virus-free. www.avg.com
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
>
>
> <#DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>

44008. Re: [DrakeRadio] Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 20:15:19 UTC
From: <km2km@...>
Topic: 43996 Message: 44008

Lee, Sorry, not to pick on you BUT "the subject here" is "Drake MN2700 two versions ?" -- that's all

Gents Let's change the subject line to reflect the tangent.

Kris KM2KM
MERSCHROD
123 Warren Road
Ithaca, NY 14850

---- "Lee Bahr w5drc@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

==========
The only thing I agree with is all tuners have losses. BUT, some have a lot of loss and some have very little. Impedance transformation is their job. Some do it much better then others. A friend of mine, W5MP and myself have made many many tests with different type tuners using the same feedline running full legal limit power. Some tuners burn up, some get hot, some get warm, and some stay cool as a cucumber. Transmission line loss is an entirely different matter. Subject here is tuner loss.

Lee, w0vt

On 3/31/2018 12:37 PM, Joe Pyles epyles@... [DrakeRadio] wrote:
>
> When a tuner matches the 50 ohms of the transmitter to whatever the
> output sees there will always be losses. And the reflected power from
> the mismatch of the antenna to the feedline could be considerable with
> the reflected wattage appearing at the tuner output and since the
> tuner keeps the transmitter from seeing it, it has to go somewhere.
> And that somewhere will be into heat. If you have 100 watts reflected
> it becomes heat.
>
> 73, Joe Pyles KC9LAD
>
> At 11:57 AM 3/31/2018, you wrote:
>
>> You know why any tuner needs air vents in a tuner cabinet?Â Ans:Â
>> Inefficiency because parts are getting warm or hot!Â Not a good
>> indicator of a good tuner.Â A well designed tuner does not get warm
>> nor needs vents.
>>
>> Lee, w0vt
>>
>> On 3/31/2018 10:46 AM, Evan k9sqg@... <mailto:k9sqg@...>

>> [DrakeRadio] wrote:
>>> Â
>>>
>>> In addition, the newer version had a perforated metal cover, with
>>> the Â perforations on the left side, above the phenolic coil form.
>>>
>>>
>>> -----Original Message-----
>>> From: Joe Pyles epyles@... <mailto:epyles@...>
>>> [DrakeRadio] <DrakeRadio@yahoogroups.com>
>>> <mailto:DrakeRadio@yahoogroups.com>
>>> To: DrakeRadio <DrakeRadio@yahoogroups.com>
>>> <mailto:DrakeRadio@yahoogroups.com>; f4dbd <f4dbd@...>
>>> <mailto:f4dbd@...>
>>> Sent: Sat, Mar 31, 2018 11:28 am
>>> Subject: Re: [DrakeRadio] Drake MN2700 two versions ?
>>>
>>> Â
>>> The early version of the MN2700 had the ceramic coil form, the later
>>> used the phenolic form. My guess was that the phenolic form was a
>>> cost cutting move.
>>>
>>> 73, Joe Pyles KC9LAD
>>>
>>>
>>> At 03:36 AM 3/31/2018, you wrote:
>>>
>>> Â
>>> Hi there,
>>> My name is Frederick, thank you very much for this very helpful
>>> group.
>>> I only own Drake matching boxes but I love this brand.
>>> I have a Drake MN7 and now I just bought myself an MN2700. It
>>> comes from the USA and will arrive in France in April.
>>> I saw 2 types of MN2700, can you tell me which one is the most
>>> recent and why there was a modification?
>>> Mine is the s-l1600-7.jpg joined picture. Serial number : 5036
>>> One has holes on the top cover and the other does not. We see
>>> the differences on the two photos attached to this message.
>>> Thank you for your answers.
>>> 73, Fred.
>>> Translated with www.DeepL.com/Translator
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>>> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient> Virus-free.
>>> www.avg.com

>>> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
>>> <#aolmail_DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>
>

44009. Re: [DrakeRadio] Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 20:30:08 UTC
From: Lee Bahr
Topic: 43996 Message: 44009

I added a discussion on tuner losses. Different topic. Go forth with
your topic and I'll go forth with mine.

Lee, w0vt

On 3/31/2018 3:15 PM, km2km@... [DrakeRadio] wrote:
>
> Lee, Sorry, not to pick on you BUT "the subject here" is "Drake MN2700
> two versions ?" -- that's all
>
> Gents Let's change the subject line to reflect the tangent.
>
> Kris KM2KM
> MERSCHROD
> 123 Warren Road
> Ithaca, NY 14850
>
> ---- "Lee Bahr w5drc@... [DrakeRadio]"
> <DrakeRadio@yahoogroups.com> wrote:
>
> =============
> The only thing I agree with is all tuners have losses. BUT, some have a
> lot of loss and some have very little. Impedance transformation is
> their job. Some do it much better then others. A friend of mine, W5MP
> and myself have made many many tests with different type tuners using
> the same feedline running full legal limit power. Some tuners burn up,
> some get hot, some get warm, and some stay cool as a cucumber.
> Transmission line loss is an entirely different matter. Subject here is
> tuner loss.
>
> Lee, w0vt
>
> On 3/31/2018 12:37 PM, Joe Pyles epyles@... [DrakeRadio] wrote:
> >
> > When a tuner matches the 50 ohms of the transmitter to whatever the
> > output sees there will always be losses. And the reflected power from
> > the mismatch of the antenna to the feedline could be considerable with
> > the reflected wattage appearing at the tuner output and since the
> > tuner keeps the transmitter from seeing it, it has to go somewhere.
> > And that somewhere will be into heat. If you have 100 watts reflected
> > it becomes heat.
> >
> > 73, Joe Pyles KC9LAD
> >
> > At 11:57 AM 3/31/2018, you wrote:

> >
> >> You know why any tuner needs air vents in a tuner cabinet?Â Ans:Â
> >> Inefficiency because parts are getting warm or hot!Â Not a good
> >> indicator of a good tuner.Â A well designed tuner does not get warm
> >> nor needs vents.
> >>
> >> Lee, w0vt
> >>
> >> On 3/31/2018 10:46 AM, Evan k9sqg@... <mailto:k9sqg@...>
> >> [DrakeRadio] wrote:
> >>> Â
> >>>
> >>> In addition, the newer version had a perforated metal cover, with
> >>> the Â perforations on the left side, above the phenolic coil form.
> >>>
> >>>
> >>> -----Original Message-----
> >>> From: Joe Pyles epyles@... <mailto:epyles@...>
> >>> [DrakeRadio] <DrakeRadio@yahoogroups.com>
> >>> <mailto:DrakeRadio@yahoogroups.com>
> >>> To: DrakeRadio <DrakeRadio@yahoogroups.com>
> >>> <mailto:DrakeRadio@yahoogroups.com>; f4dbd <f4dbd@...>
> >>> <mailto:f4dbd@...>
> >>> Sent: Sat, Mar 31, 2018 11:28 am
> >>> Subject: Re: [DrakeRadio] Drake MN2700 two versions ?
> >>>
> >>> Â
> >>> The early version of the MN2700 had the ceramic coil form, the later
> >>> used the phenolic form. My guess was that the phenolic form was a
> >>> cost cutting move.
> >>>
> >>> 73, Joe Pyles KC9LAD
> >>>
> >>>
> >>> At 03:36 AM 3/31/2018, you wrote:
> >>>
> >>> Â
> >>> Hi there,
> >>> My name is Frederick, thank you very much for this very helpful
> >>> group.
> >>> I only own Drake matching boxes but I love this brand.
> >>> I have a Drake MN7 and now I just bought myself an MN2700. It
> >>> comes from the USA and will arrive in France in April.
> >>> I saw 2 types of MN2700, can you tell me which one is the most
> >>> recent and why there was a modification?
> >>> Mine is the s-l1600-7.jpg joined picture. Serial number : 5036
> >>> One has holes on the top cover and the other does not. We see
> >>> the differences on the two photos attached to this message.
> >>> Thank you for your answers.
> >>> 73, Fred.

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>
> >>> www.avg.com
> >>>
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
> >>> <#aolmail_DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
> >
> >
>
>

44010. Re: [DrakeRadio] Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 20:38:41 UTC
From: Joe Pyles
Topic: 43996 Message: 44010

Since you don't know me or anything about my
knowledge or electronics or radio there is no
respect in your statement. You say that reflected
power can be reversed back up the feed line, well
enlighten the ignorant among us and explain
beside saying "you can do it with good
engineering practices". What circuit or
components could make reflected power reflect
back up the feed line and be radiated.

At 04:12 PM 3/31/2018, you wrote:
>
>
>I must respectfully say, Joe, you need to
>acquire more knowledge before making these false statements such as these:
>
>1. "You can't magically turn around and go the
>other way." (I agree you can't do it magically,
>but you can do it using good engineering practices.)
>
>2. "Changing the coax to 2 inch hardline with
>virtually no loss, etc" Truth is changing the
>size of the coax won't change the amount of loss
>due to a high SWR. In fact the losses will be
>the same except for the less copper loss. Coax
>size will increase or decrease copper loss but
>the loss due to impedance mismatch will be the
>same no matter what size coax you are
>using. The larger diameter coax may appear
>cooler as it's heat sinking properties would be
>greater. (Assuming the coax impedance is kept
>constant.) It is never a good idea to use or
>pick coax when using it under high SWR
>conditions. Either lower the mismatch when
>using it, or use a feedline better suited for dealing with high SWR .
>
>Lee, w0vt
>
>On 3/31/2018 2:54 PM, Joe Pyles wrote:
>>What we are discussing is why a tuner would get
>>hot. When you have reflected power on a feed
>>line you can't make it magically turn around
>>and go the other way. You could use 50 ohm 2
>>inch hard line with virtually no loss as long

>>it is perfectly matched to the antenna but if
>>there is a mismatch you will still have
>>reflected power. The only thing a more
>>efficient feed line will get you is less loss
>>both ways. I have seen LMR400 feeding a 43 foot
>>vertical at 1500 watts get so hot you couldn't touch it very long.
>>
>>
>>73, Joe Pyles KC9LAD
>>
>>At 03:40 PM 3/31/2018, Lee Bahr wrote:
>>
>>>You are assuming it can't be transmitted down
>>>the feedline.Â You are also assuming it has
>>>to be turned into heat.Â Truth is, it can be
>>>redirected and be sent back to the antenna for
>>>radiation without having to be turned into
>>>heat.Â (Neglecting minor losses as nothing is 100% efficient.)
>>>
>>>Lee, w0vt
>>>
>>>On 3/31/2018 11:11 AM, Doug Coffman
>>><mailto:dj_coffman@yahoo.com>dj_coffman@... [DrakeRadio] wrote:
>>>>Â
>>>>
>>>>Lee,
>>>>
>>>>If RF isnâ☐☐t transmitted down the coax what
>>>>else is it going to turn into? Â Energy has to go somewhere doesnâ☐☐t it?
>>>>
>>>>Doug - N9XTF
>>
>><http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
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>> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>www.avg.com
>>
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

44011. Re: [DrakeRadio] Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 20:45:01 UTC
From: Lee Bahr
Topic: 43996 Message: 44011

I am going to say one more thing on all this and then I am going to stop. I started this tuner heat thing because there is a lot of false data being published and there are a lot of guys on this reflector looking for guidance. In no way was I ever trying to put down Drake equipment. I love the stuff and have for years and have purchased plenty of it as new from Drake. I just hate to see wrong information being published. For those doubting what I have said, find a good RF engineer you trust and run my discussion past them or read up on it from trustworthy authors. I really don't want a discussion like this to turn into a brawl. I said what I had to say and I am now out of it. No more comments from me.

Lee, w0vt, w5drc

On 3/31/2018 3:30 PM, Lee Bahr w5drc@... [DrakeRadio] wrote:
>
> I added a discussion on tuner losses. Different topic. Go forth with
> your topic and I'll go forth with mine.
>
> Lee, w0vt
>
>
> On 3/31/2018 3:15 PM, km2km@... [DrakeRadio] wrote:
>>
>> Lee, Sorry, not to pick on you BUT "the subject here" is "Drake
>> MN2700 two versions ?" -- that's all
>>
>> Gents Let's change the subject line to reflect the tangent.
>>
>> Kris KM2KM
>> MERSCHROD
>> 123 Warren Road
>> Ithaca, NY 14850
>>
>> ---- "Lee Bahr w5drc@... [DrakeRadio]"
>> <DrakeRadio@yahoogroups.com> wrote:
>>
>> =============
>> The only thing I agree with is all tuners have losses. BUT, some have a
>> lot of loss and some have very little. Impedance transformation is
>> their job. Some do it much better then others. A friend of mine, W5MP
>> and myself have made many many tests with different type tuners using
>> the same feedline running full legal limit power. Some tuners burn up,
>> some get hot, some get warm, and some stay cool as a cucumber.
>> Transmission line loss is an entirely different matter. Subject here is

>> tuner loss.
>>
>> Lee, w0vt
>>
>> On 3/31/2018 12:37 PM, Joe Pyles epyles@... [DrakeRadio] wrote:
>> >
>> > When a tuner matches the 50 ohms of the transmitter to whatever the
>> > output sees there will always be losses. And the reflected power from
>> > the mismatch of the antenna to the feedline could be considerable with
>> > the reflected wattage appearing at the tuner output and since the
>> > tuner keeps the transmitter from seeing it, it has to go somewhere.
>> > And that somewhere will be into heat. If you have 100 watts reflected
>> > it becomes heat.
>> >
>> > 73, Joe Pyles KC9LAD
>> >
>> > At 11:57 AM 3/31/2018, you wrote:
>> >
>> >> You know why any tuner needs air vents in a tuner cabinet?Â Ans:Â
>> >> Inefficiency because parts are getting warm or hot!Â Not a good
>> >> indicator of a good tuner.Â A well designed tuner does not get warm
>> >> nor needs vents.
>> >>
>> >> Lee, w0vt
>> >>
>> >> On 3/31/2018 10:46 AM, Evan k9sqg@... <mailto:k9sqg@...>
>> >> [DrakeRadio] wrote:
>> >>> Â
>> >>>
>> >>> In addition, the newer version had a perforated metal cover, with
>> >>> the Â perforations on the left side, above the phenolic coil form.
>> >>>
>> >>>
>> >>> -----Original Message-----
>> >>> From: Joe Pyles epyles@... <mailto:epyles@...>
>> >>> [DrakeRadio] <DrakeRadio@yahoogroups.com>
>> >>> <mailto:DrakeRadio@yahoogroups.com>
>> >>> To: DrakeRadio <DrakeRadio@yahoogroups.com>
>> >>> <mailto:DrakeRadio@yahoogroups.com>; f4dbd <f4dbd@...>
>> >>> <mailto:f4dbd@...>
>> >>> Sent: Sat, Mar 31, 2018 11:28 am
>> >>> Subject: Re: [DrakeRadio] Drake MN2700 two versions ?
>> >>>
>> >>> Â
>> >>> The early version of the MN2700 had the ceramic coil form, the later
>> >>> used the phenolic form. My guess was that the phenolic form was a
>> >>> cost cutting move.
>> >>>
>> >>> 73, Joe Pyles KC9LAD
>> >>>

>> >>>
>> >>> At 03:36 AM 3/31/2018, you wrote:
>> >>>
>> >>> Â
>> >>> Hi there,
>> >>> My name is Frederick, thank you very much for this very helpful
>> >>> group.
>> >>> I only own Drake matching boxes but I love this brand.
>> >>> I have a Drake MN7 and now I just bought myself an MN2700. It
>> >>> comes from the USA and will arrive in France in April.
>> >>> I saw 2 types of MN2700, can you tell me which one is the most
>> >>> recent and why there was a modification?
>> >>> Mine is the s-l1600-7.jpg joined picture. Serial number : 5036
>> >>> One has holes on the top cover and the other does not. We see
>> >>> the differences on the two photos attached to this message.
>> >>> Thank you for your answers.
>> >>> 73, Fred.
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>>
>> >>> www.avg.com
>> >>>
>> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient>
>> >>> <#aolmail_DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
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>>
>
>

44012. Re: Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 21:27:51 UTC
From: dj_coffman@...
Topic: 43996 Message: 44012

Lee,

Reactance has always been, in my understanding, the coarsest issue. Coax can be virtually melted with as little as 50 watts with enough reactance.

The design, construction and type of tuner as well as the antenna and feedline all play a role here. Yes some power can be re-reflected (not a real technical word but it works for me) down the feedline but how much can be very marginal.

I was always under the impression that the tuner was an impedance matching device to make the transmitter see a load that was acceptable. I did not understand it to be a transformation device.

In any event, the original question was regarding the holes in the case of the one generation of the Drake tuner; I believe that issue has been met.

Tom Raunch does a very good job explaining tuner design, good and poor, and balun myths and facts with empirical measurements. The good news is is that all of my antennas are cut for length and my inline tuners are used only for antenna switches and metering (mostly because they match the rest of my Drake gear) as I have better switches and meters.

Your mileage may vary, Happy Easter

Doug - N9XTF

44013. Re: [DrakeRadio] Re: Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 23:03:04 UTC
From: Richard Knoppow
Topic: 43996 Message: 44013

I am not sure how you are applying reactance here. The
problem with coax when connected with a high VSWR is peak
voltages can exceed the insulation voltage rating. In the same
way there are peaks of current which can cause heating of the
center conductor if there is sufficient resistance. This is one
of those places where the theory is not very intuitive. Because
the math for dealing with transmission line loss complicates
things is is common in describing elementary theory to assume
zero loss. The short tutorial I posted addresses this.
Loss in transmission lines is only partly from "ohmic"
resistance, i.e. what is measured by an ohm meter, much is loss
in the dielectric. Dielectric loss can become quite large at high
frequencies, that is one reason for the use of wave guide.
Since an antenna tuner is composed of Ls and Cs it can not
dissipate power except for resistance in the Ls and dielectric
loss in the Cs. Since the specific case of switching from ceramic
to phenolic was mentioned it should be pointed out that ceramic
coil forms have lower loss than phenolic. This is dielectric
loss. While we are concerned with inductance the field of the
coil is still going through the former, which can cause loss in
the former. Ceramics can have very low HF loss plus are resistant
to any heat created by ohmic loss in the coil. There are even
lower loss materials, the lowest being a vacuum although air is
pretty close. Of course this applies to both coils and condensers.
I am also puzzled by your discrimination between a "matching"
device and a "transformation" device. To me they are the same.
Keep in mind that impedance transformation as in a pi or L
network is exactly identical to a transmission line of 1/4 wave
length or odd multiples of a 1/4 wave. Of course, a 1/4 wave (or
odd multiples) also inverts impedance at resonance, that is, a
short circuit at one end appears to be an open circuit at the
other end and an inductance at one end becomes a capacitance at
the other.
Transformers can, of course, be made at radio frequencies. A
true transformer is non-resonant and has a constant
transformation ratio over a wide range of frequencies. It can
also transform a balanced circuit to an unbalanced one, and of
course vice-versa. Some antenna tuners include a transformer for
converting a balanced line to an unbalanced one. Usually these
also provide some ratio of impedance transformation, often 4:1.
The difference between this and a transmission like balun is
bandwidth. A transmission line balun is a resonant device while a
true transformer is not.

On 3/31/2018 2:27 PM, dj_coffman@... [DrakeRadio] wrote:
>
>
> Lee,
>
> Reactance has always been, in my understanding, the coarsest
> issue.? Coax can be virtually melted with as little as 50 watts
> with enough reactance.
>
> The design, construction and type of tuner as well as the antenna
> and feedline all play a role here.? Yes some power can be
> re-reflected (not a real technical word but it works for me) down
> the feedline but how much can be very marginal.
>
> I was always under the impression that the tuner was an impedance
> matching device to make the transmitter see a load that was
> acceptable.? I did not understand it to be a transformation device.
>
> In any event, the original question was regarding the holes in
> the case of the one generation of the Drake tuner; I believe that
> issue has been met.
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> Tom Raunch does a very good job explaining tuner design, good and
> poor, and balun myths and facts with empirical measurements. The
> good news is is that all of my antennas are cut for length and my
> inline tuners are used only for antenna switches and metering
> (mostly because they match the rest of my Drake gear) as I have
> better switches and meters.
>
> Your mileage may vary, Happy Easter
>
> Doug - N9XTF
>
WB6KBL

44014. Re: [DrakeRadio] Re: Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-03-31 23:32:01 UTC
From: Doug Coffman
Topic: 43996 Message: 44014

Richard,
Is not, the impedance of an antenna, expressed as a complex impedance consisting of resistance and reactance, (if both components are present)?
If you feed a non-resonant antenna or an antenna system that is resonant but not a 50ohm system one uses an antenna tuner to make the transmitter happy. The tuner simply does not tune the antenna, it presents a 50 ohm load to the transmitter, assuming that's what the transmitter wants and one is using coax that's 50 ohms. You simply cannot "tune" an antenna at the transmitter but you hope to make the transmitter happy.
Maybe my understanding of all of the concepts are wrong, if so, please enlighten me.
73, Doug - N9XTF

On Saturday, March 31, 2018, 7:03:14 PM EDT, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

    I am not sure how you are applying reactance here. The problem with coax when connected with a high VSWR is peak voltages can exceed the insulation voltage rating. In the same way there are peaks of current which can cause heating of the center conductor if there is sufficient resistance. This is one of those places where the theory is not very intuitive. Because the math for dealing with transmission line loss complicates things is is common in describing elementary theory to assume zero loss. The short tutorial I posted addresses this.
    Loss in transmission lines is only partly from "ohmic" resistance, i.e. what is measured by an ohm meter, much is loss in the dielectric. Dielectric loss can become quite large at high frequencies, that is one reason for the use of wave guide.
    Since an antenna tuner is composed of Ls and Cs it can not dissipate power except for resistance in the Ls and dielectric loss in the Cs. Since the specific case of switching from ceramic to phenolic was mentioned it should be pointed out that ceramic coil forms have lower loss than phenolic. This is dielectric loss. While we are concerned with inductance the field of the coil is still going through the former, which can cause loss in the former. Ceramics can have very low HF loss plus are resistant to any heat created by ohmic loss in the coil. There are even lower loss materials, the lowest being a vacuum although air is pretty close. Of course this applies to both coils and condensers.
    I am also puzzled by your discrimination between a "matching" device and a "transformation" device. To me they are the same. Keep in mind that impedance transformation as in a pi or L network is exactly identical to a transmission line of 1/4 wave length or odd multiples of a 1/4 wave. Of course, a 1/4 wave (or odd multiples) also inverts impedance at resonance, that is, a short circuit at one end appears to be an open circuit at the

other end and an inductance at one end becomes a capacitance at the other.

Transformers can, of course, be made at radio frequencies. A true transformer is non-resonant and has a constant transformation ratio over a wide range of frequencies. It can also transform a balanced circuit to an unbalanced one, and of course vice-versa. Some antenna tuners include a transformer for converting a balanced line to an unbalanced one. Usually these also provide some ratio of impedance transformation, often 4:1. The difference between this and a transmission like balun is bandwidth. A transmission line balun is a resonant device while a true transformer is not.

On 3/31/2018 2:27 PM, dj_coffman@yahoo.com [DrakeRadio] wrote:
>
>
> Lee,
>
> Reactance has always been, in my understanding, the coarsest
> issue. Coax can be virtually melted with as little as 50 watts
> with enough reactance.
>
> The design, construction and type of tuner as well as the antenna
> and feedline all play a role here. Yes some power can be
> re-reflected (not a real technical word but it works for me) down
> the feedline but how much can be very marginal.
>
> I was always under the impression that the tuner was an impedance
> matching device to make the transmitter see a load that was
> acceptable. I did not understand it to be a transformation device.
>
> In any event, the original question was regarding the holes in
> the case of the one generation of the Drake tuner; I believe that
> issue has been met.
>
> Tom Raunch does a very good job explaining tuner design, good and
> poor, and balun myths and facts with empirical measurements. The
> good news is is that all of my antennas are cut for length and my
> inline tuners are used only for antenna switches and metering
> (mostly because they match the rest of my Drake gear) as I have
> better switches and meters.
>
> Your mileage may vary, Happy Easter
>
> Doug - N9XTF
>
WB6KBL

Yahoo Groups Links

44015. Re: [DrakeRadio] Re: Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-01 00:13:51 UTC
From: Richard Knoppow
Topic: 43996 Message: 44015

You are correct and the term Antenna Tuner is really a misnomer. What the usual tuner is doing is to adjust or transform the impedance at the feed end of the feed line to whatever the transmitter is designed for. Its possible to have a tuner at the _antenna_ side that adjusts the driving point impedance to the transmission line. This is the usual arrangement at broadcast stations. Of course that's easy because the frequency is fixed. It is possible to make a tunable matching network to go on the antenna side. I've seen a number of designs for remote tuning networks. Nothing is required at the transmitter side providing the transmitter output matches the transmission line. Actually, the same antenna tuner that is used at the transmitter end could be used at the antenna end but not be very practical.
What is often missed is that the transmitter side tuner can not change either the transmission line impedance or the antenna impedance.
Now, all impedances are combinations of resistance and reactance, as I am certain you know. At resonance a tuned circuit has no reactance, the value of the inductive and capacitive reactance are the same. Actually, that's one definition of resonance. What is left is resistance. That can be residual resistance of the L and C but, in the case of an antenna the R is an actual resistance; the radiation resistance of space! When the antenna absorbs power from the transmitter it couples it to anything in space that absorbs RF energy. This is not the easiest idea in the world to get your head around. Radiation resistance can be measured and there is a lot of math for calculating it. The antenna acts as a sort of transformer so that the resistance measured at the feed point is a result of the inherent resistance of space and the transforming properties of the antenna. So, a half-wave dipole in free space has a feed point impedance of something like 72 ohms but if its folded so that it loops back on itself the impedance becomes twice that value or about 300 ohms. A third fold will bring it to 600 ohms. This is at resonance. The point is there there is something that absorbs all the energy from the antenna. The antenna itself is not heated and dissipates no power. Where it goes is a question for advanced physics and I am not there quite yet. If there were no other antennas hanging out in the breeze the power will still be absorbed; its a property of space.
I am not sure I am addressing your question.
This stuff fascinates me.

On 3/31/2018 4:32 PM, Doug Coffman wrote:
> Richard,

>
> Is not, the impedance of an antenna, expressed as a complex
> impedance consisting of resistance and reactance, (if both
> components are present)?
>
> If you feed a non-resonant antenna or an antenna system that is
> resonant but not a 50ohm system one uses an antenna tuner to make
> the transmitter happy.? The tuner simply does not tune the
> antenna, it presents a 50 ohm load to the transmitter, assuming
> that's what the transmitter wants and one is using coax that's 50
> ohms.? You simply cannot "tune" an antenna at the transmitter but
> you hope to make the transmitter happy.
>
> Maybe my understanding of all of the concepts are wrong, if so,
> please enlighten me.
>
> 73,? Doug - N9XTF

44016. Re: [DrakeRadio] Re: Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-01 00:58:23 UTC
From: Jim Shorney
Topic: 43996 Message: 44016

How is it then that open wire balanced feelines are often operated at very high SWR with low loss and no fireworks? Walt Maxwell W2DU/W8KHK (SK) wrote in "Reflections"

"This is because all power reflected from
the line/antenna mismatch which reaches the input
source is conserved, not dissipated, and is returned
to the antenna by the "antenna tuner" (transmatch)
at the line input."

Is stands to reason what you have a mismatch at both ends of the transmission line. Whn you insert a tuner inline you move the point of mismatch to the output of the tuner but it is still there.

Quoting a note I found on Google from KB7QHC, "If you insert a tuner between the mismatch and the transmitter, you are providing another mismatch (to the reflections on their way to the transmitter) that is the reciprocal of the load mismatch. This creates a situation wherein the power is reflected, re-reflected, and re-re-.... you get the point. However, with each successive reflection, some energy escapes the antenna in spite of the original mismatch (it always does) and the significance of that power sloshing back and forth diminishes with each pass back and forth (not to speak of that power lost to the transmission line supporting all this sloshing - in fact that is the major source of real loss, or in the tuner itself)."

Mawelll's articles are available to ARRL members at http://www.arrl.org/files/file/protected/Group/Members/Technology/tis/info/pdf/Reflect.pdf .

I have had some serious reflected power dissipated in my tuner, but that's a completely different story...

73

-Jim
NU0C

On 31 Mar 2018 21:27:51 +0000, dj_coffman@... [DrakeRadio] wrote:

>Lee,
>
>Reactance has always been, in my understanding, the coarsest issue. Coax can be virtually melted with as little as 50 watts with enough reactance.
>
>The design, construction and type of tuner as well as the antenna and feedline all play a role here. Yes some power can be re-reflected (not a real technical word but it works for me) down the feedline but how much can be very marginal.

>
>I was always under the impression that the tuner was an impedance matching device to make the transmitter see a load that was acceptable. I did not understand it to be a transformation device.
>
>In any event, the original question was regarding the holes in the case of the one generation of the Drake tuner; I believe that issue has been met.
>
>Tom Raunch does a very good job explaining tuner design, good and poor, and balun myths and facts with empirical measurements. The good news is is that all of my antennas are cut for length and my inline tuners are used only for antenna switches and metering (mostly because they match the rest of my Drake gear) as I have better switches and meters.
>
>Your mileage may vary, Happy Easter
>
>Doug - N9XTF

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"

44017. Re: [DrakeRadio] Re: Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-01 01:06:41 UTC
From: Jim Shorney
Topic: 43996 Message: 44017

Oops, busted the URL....

On Sat, 31 Mar 2018 19:58:23 -0500, 'Jim Shorney' jshorney@... [DrakeRadio] wrote:

>Mawelll's articles are available to ARRL members at
>http://www.arrl.org/files/file/protected/Group/Members/Technology/tis/info/pdf/R
>eflect.pdf .

http://www.arrl.org/files/file/protected/Group/Members/Technology/tis/info/pdf/Reflect.pdf
.

Another paper on the topic is here:

https://www.advanced-energy.com/upload/File/White_Papers/SL-WHITE7-270-01.pdf

73

-Jim
NU0C

--

"Good men don?t need rules. Today is not the day to find out why I have so many." - Doctor
Who

44018. File - Bi-Weekly Statement

Yahoo group: DrakeRadio (2018)
Date: 2018-04-01 01:49:33 UTC
From: DrakeRadio@yahoogroups.com
Topic: 206 Message: 44018

All group members are welcome to post on this message board, so for those that have questions please don't be shy and for those that have answers, please feel free to give advice to others. No one is 'keeping score' (I hope!)

PLEASE use the 'Reply All' function of your e-mail client so replies are posted to the list. A 'Reply' to the original poster ONLY, deprives the rest from seeing an answer, AND greatly diminishes the value of the List archives.

For those of you that have not introduced yourself we welcome you to do so and please feel free to upload your station pictures to the photos section of our group's home page, as well as links to Drake information or your homepage.

Just a word of advice for R-7 / TR-7 owners 'with a problem'. I estimate that 90% of 'failures' in these units are caused by minor oxidation of a switch, the card and/or cable connectors. Whether it's a problem that just shows up at turn-on, -OR-, after the unit has been unused for a while, DeoxIT'ing switches and just re-seating cards and connectors will often get it going again. If not, you know where we are!

73, Garey - K4OAH

44019. Drake Parts for sale ITEMS ADDED

Yahoo group: DrakeRadio (2018)
Date: 2018-04-01 14:52:46 UTC
From: Kc9cdt@...
Topic: 44019 Message: 44019

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

ADDED 4/1
A) QTY 3....Drake INJ cables.....$8 each
B) QTY 12...Drake Interconnect cables.........$5 Each
OR $75 for all 15 cables

7) Knob for L-4B WITH white line NOS.....$10.

8) Knob for L-4B No white line NOS....$10

9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)

13) New Plate meter for TR-4 etc....P/N 358-0160....$30

15) New Plate meter for T-4XC (others too?) P/N 358-0120....$30

16) New Plate meter for T-4XC (others too?) P/N 358-0120....$30

17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.

22) 1 3-500Z metal plate cap NOS P/N 467-1026....$10

40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10

57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.........$30
These are NOS, not used

64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10

65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10

67) 39 Set Screw standard BAR knobs NOS or excellent cond.......$2 EACH

68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$10

69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$10

70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$10

72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$2

77) 1 New Jersey Semiconductor 2N2430....NOS...$2
78) 3 New Jersey Semiconductor 2N2926....NOS...$6
79) 2 New Jersey Semiconductor 2N3638....NOS...$4

80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used

82 Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.

73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

44020. cooling my Drake rigs: thanks to WB8VGE for the fan controller article in February QST

Yahoo group: DrakeRadio (2018)
Date: 2018-04-01 17:59:30 UTC
From: Andrew Olson
Topic: 44020 Message: 44020

Thought I'd give a shout-out to Mike Bryce, WB8VGE, for his nice writeup of a 12VDC fan controller circuit for keeping vintage rigs running cool in the February 2018 issue of QST (pages 30-31). Thanks to Mike's article, I've now added cooling fans to my T-4XB and R-4B (photos posted to the Yahoo group website).

I had a couple of small proto boards from a flea market that were about the right size for this. The components that I didn't have were available at Jameco Electronics (easy biking distance) so I decided to build the controller circuits myself. I even made an extra one for a handy way to run a fan to blow the rosin smoke away at my soldering station.

The controller circuit rectifies a 12VAC input (can also work from 6.3VAC with an additional diode and capacitor, or from 12VDC), which then feeds an LM317 variable voltage regulator. The circuit has two pots for setting the voltage level from the LM317, and a relay to switch from one to the other after a delay of about 10-15 seconds. The idea is to start the fan up at a higher speed to guarantee spin-up, then slow it down to a quieter, steady-state speed. It works great! The twins run noticeably cooler to the touch now, and the fans are virtually silent after the startup period.

I mounted the boards and fans with 4-40 hardware, using the holes in the chassis cover (and the PA cage in the T-4XB). I cut small pads for the fan mounts from an old bicycle inner tube. For my mounting locations, the most convenient places to tap 12VAC for power input were from the input pins on the T-4XB, and from the heater pins of tube socket V3 on the R-4B.

If you like the idea but don't feel like building them yourself, the fan controller boards are available for sale on Mike's website (search for heathkitshop). (No connection, other than as a satisfied customer of his AC-4 power supply rebuild kit.)

Happy soldering,
Andrew Olson, N6DRU

44021. R4C for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-04-01 22:34:05 UTC
From: Joseph Trombino, Jr
Topic: 44021 Message: 44021

Howdy Fellow Drakesters.

I have for sale an excellent R4C receiver, stock, but has the 12.6Mhz crystal for 160M operation.

This receiver is a solid 9.5 or better and works FB…very hot on all bands.

Ships with professionally bound copy of the manual for $335.

Additional filters are available…1.5Khz, 500Hz and 250Hz for $50 each plus shipping.

I wish all a wonderful Easter.

73, Joe W2KJ

44022. Re: [DrakeRadio] cooling my Drake rigs: thanks to WB8VGE for the fan controller article in February QST

Yahoo group: DrakeRadio (2018)
Date: 2018-04-01 22:47:02 UTC
From: Joseph Devonshire
Topic: 44020 Message: 44022

Hi Andrew,
    Thanks for the review of Mike's board. As soon as I read the article, I ordered a pair of boards from Mike. I still need to order the components. I'm glad you mentioned Jameco as the source. Now I know they'll have what I need. I was hoping someone would talk about it here.

Thanks and 73.Joe AB1YOJefferson, ME
On Sunday, April 1, 2018, 1:59:47 PM EDT, Andrew Olson zoydxwheeler@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Thought I'd give a shout-out to Mike Bryce, WB8VGE, for his nice writeup of a 12VDC fan controller circuit for keeping vintage rigs running cool in the February 2018 issue of QST (pages 30-31). Thanks to Mike's article, I've now added cooling fans to my T-4XB and R-4B (photos posted to the Yahoo group website).

I had a couple of small proto boards from a flea market that were about the right size for this. The components that I didn't have were available at Jameco Electronics (easy biking distance) so I decided to build the controller circuits myself. I even made an extra one for a handy way to run a fan to blow the rosin smoke away at my soldering station.

The controller circuit rectifies a 12VAC input (can also work from 6.3VAC with an additional diode and capacitor, or from 12VDC), which then feeds an LM317 variable voltage regulator. The circuit has two pots for setting the voltage level from the LM317, and a relay to switch from one to the other after a delay of about 10-15 seconds. The idea is to start the fan up at a higher speed to guarantee spin-up, then slow it down to a quieter, steady-state speed. It works great! The twins run noticeably cooler to the touch now, and the fans are virtually silent after the startup period.

I mounted the boards and fans with 4-40 hardware, using the holes in the chassis cover (and the PA cage in the T-4XB). I cut small pads for the fan mounts from an old bicycle inner tube. For my mounting locations, the most convenient places to tap 12VAC for power input were from the input pins on the T-4XB, and from the heater pins of tube socket V3 on the R-4B.

If you like the idea but don't feel like building them yourself, the fan controller boards are available for sale on Mike's website (search for heathkitshop). (No connection, other than as a satisfied customer of his AC-4 power supply rebuild kit.)

Happy soldering,
Andrew Olson, N6DRU

44023. F.S. Drake T4XC transmitter

Yahoo group: DrakeRadio (2018)
Date: 2018-04-01 22:58:19 UTC
From: Joseph Trombino, Jr
Topic: 44023 Message: 44023

Howdy Fellow Drakesters.

I offer for sale my excellent condition Drake T4XC, in wonderful operating and physical condition…9.5 plus with full output on all bands.

This T4XC is a fairly high serial number of 28192.

I mounted a 12VDC exhaust fan on the back of the TX to keep the finals cool and happy and it does a great job.

Ships with original Drake manual for $285.

AC4 power supply (high serial number) is available separately.

I wish all a wonderful Easter.

73, Joe W2KJ

44025. TR4 - restore or part?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 01:48:36 UTC
From: dshuev@...
Topic: 44025 Message: 44025
Attachments: 4 described; binary payloads are missing from this source WARC

Hello:

Need some guidance as to what to do with this one - attempt to restore (would be definitely a labor of love), or part? Unit looks complete, not cannibalized, all crystals are there, with Noise Blanker (hard-wired at the factory version), but chassis shows significant corrosion.

Cabinet OK, no dents, all four feet are there, but repainted in the past.

Any suggestions?

Regards,
Dmitri

44026. Re: [DrakeRadio] TR4 - restore or part? [4 Attachments]

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 02:14:17 UTC
From: MadScientist1948
Topic: 44025 Message: 44026

It’s pretty sad to see one so nice bottom side and so awful topside.

Of course, there is good reason for that. This terribly selected plating scheme, Copper over steel, without a good Nickel flash, was the concept from Hades. It is thermodynamically so unstable that even the tiniest pinholes became anodes and the entire chassis became the cathode in a cathode-area-rate-limited corrosion cell. A tiny bit of humidity and maybe a little dirt was all it took...

The filters and noise blanker, maybe the PTO are about all that would be worth saving, IMHO.

It’s not all that hard to remove the NB and put into a more worthy survivor…

Gary

> On Apr 1, 2018, at 8:48 PM, dshuev@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Hello:
>
> Need some guidance as to what to do with this one - attempt to restore (would be definitely a labor of love), or part? Unit looks complete, not cannibalized, all crystals are there, with Noise Blanker (hard-wired at the factory version), but chassis shows significant corrosion.
>
> Cabinet OK, no dents, all four feet are there, but repainted in the past.
>
> Any suggestions?
>
> Regards,
> Dmitri
>
>
>
>
> <02_TR4.jpg><01_TR4.jpg><04_TR4.jpg><03_TR4.jpg>

44027. Re: [DrakeRadio] TR4 - restore or part?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 02:46:08 UTC
From: MadScientist1948
Topic: 44025 Message: 44027

That’s what makes America great! We don’t have to agree on everything, all we need do is respect different opinions…

Gary

> On Apr 1, 2018, at 9:41 PM, Richard Knoppow <1oldlens1@...> wrote:
>
> Can't agree, the top looks bad but may clean up somewhat.
> Can't replace the plating that is gone but I suspect it is more cosmetic than practical, that is I don't think it affects the RF conductivity of the chassis that much. For the most part it doesn't take much to get a TR-4 going. By the time Drake made these they were using plastic film caps rather than paper ones so only the electrolytic ones need attention. Front panel looks reasonable, try cleaning it with something mild like dishwashing detergent. See if it works at all. Check out top side switches, etc. You can't loose much by attempting to clean it up. Pardon me but so what if the cabinet has been repainted if its a decent job. This is not a museum piece but a working radio.
>
> On 4/1/2018 7:14 PM, MadScientist1948 dukeshifi@... [DrakeRadio] wrote:
>> It’s pretty sad to see one so nice bottom side and so awful topside..
>> Of course, there is good reason for that. This terribly selected plating scheme, Copper over steel, without a good Nickel flash, was the concept from Hades. It is thermodynamically so unstable that even the tiniest pinholes became anodes and the entire chassis became the cathode in a cathode-area-rate-limited corrosion cell. A tiny bit of humidity and maybe a little dirt was all it took....
>> The filters and noise blanker, maybe the PTO are about all that would be worth saving, IMHO.
>> It’s not all that hard to remove the NB and put into a more worthy survivor…
>> Gary
>>> On Apr 1, 2018, at 8:48 PM, dshuev@... <mailto:dshuev@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>>
>>>
>>> Hello:
>>>
>>> Need some guidance as to what to do with this one - attempt to restore (would be definitely a labor of love), or part? Unit looks complete, not cannibalized, all crystals are there, with Noise Blanker (hard-wired at the factory version), but chassis shows significant corrosion.
>>>
>>> Cabinet OK, no dents, all four feet are there, but repainted in the past.
>>>
>>> Any suggestions?
>>>
>>> Regards,
>>> Dmitri

>
>
> --
> Richard Knoppow
> 1oldlens1@ix.netcom.com
> WB6KBL

44028. Re: [DrakeRadio] TR4 - restore or part?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 03:30:46 UTC
From: Charles Rodecap
Topic: 44025 Message: 44028

Dmitri
If you do not want to try and repair this unit I will trade a NON working TR-3 for your TR-4.
Thanks for your time.
CharlieKA9HDG

On Sunday, April 1, 2018 10:46 PM, "MadScientist1948 dukeshifi@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

That’s what makes America great! We don’t have to agree on everything, all we need do is respect different opinions…

Gary

> On Apr 1, 2018, at 9:41 PM, Richard Knoppow <1oldlens1@...> wrote:
>
> Can't agree, the top looks bad but may clean up somewhat.
> Can't replace the plating that is gone but I suspect it is more cosmetic than practical, that is I don't think it affects the RF conductivity of the chassis that much. For the most part it doesn't take much to get a TR-4 going. By the time Drake made these they were using plastic film caps rather than paper ones so only the electrolytic ones need attention.. Front panel looks reasonable, try cleaning it with something mild like dishwashing detergent. See if it works at all. Check out top side switches, etc. You can't loose much by attempting to clean it up. Pardon me but so what if the cabinet has been repainted if its a decent job. This is not a museum piece but a working radio.
>
> On 4/1/2018 7:14 PM, MadScientist1948 dukeshifi@... [DrakeRadio] wrote:
>> It’s pretty sad to see one so nice bottom side and so awful topside..
>> Of course, there is good reason for that. This terribly selected plating scheme, Copper over steel, without a good Nickel flash, was the concept from Hades. It is thermodynamically so unstable that even the tiniest pinholes became anodes and the entire chassis became the cathode in a cathode-area-rate-limited corrosion cell. A tiny bit of humidity and maybe a little dirt was all it took....
>> The filters and noise blanker, maybe the PTO are about all that would be worth saving, IMHO.
>> It’s not all that hard to remove the NB and put into a more worthy survivor…
>> Gary
>>> On Apr 1, 2018, at 8:48 PM, dshuev@... <mailto:dshuev@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@...m>> wrote:
>>>
>>>
>>> Hello:
>>>
>>> Need some guidance as to what to do with this one - attempt to restore (would be definitely a labor of love), or part? Unit looks complete, not cannibalized, all crystals are there, with Noise Blanker (hard-wired at the factory version), but chassis shows

significant corrosion.
>>>
>>> Cabinet OK, no dents, all four feet are there, but repainted in the past.
>>>
>>> Any suggestions?
>>>
>>> Regards,
>>> Dmitri
>
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL

44029. Can Anyone Tell Me.....

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 06:57:23 UTC
From: Joe
Topic: 44029 Message: 44029

.or, advise me..

As many of you know (from my whining's!) My L7 decided to go BANG a few weeks ago..

So..I Pulled out a known good L-B4 and set it up.

Only, as a good, well organized ham operator that I am...

I forgot where I put my adapter VOX Relay plug!

Hmmmmm..

Well, through the good offices of users here, I acquired the needed plug.

Hooked it up, observing polarity, and...

No joy.

Again..Hmmmmm..

Power supply is good, brought over the C radios and fired right up, good, full output, plus some. (Peter Dahl transformer transplant) (No room on the working desk for the C radio setup, or I would have left them in place. L)

So, amp and P.S. good.

Gotta be the ARB-704, right?

Plugged in my spare..Guess what?!!

You guessed it, No Joy!

Welp, I guess I will have to fix the L7. So I did. A cat hair was the culprit, but won't go into that right now.

As said in the outset of this literary masterpiece: Can Anyone tell me, or advise me, ***WHY*** the ARB-704 keying interface, wouldn't bring up the L-4B but works fine on the L7?

Thanks in advance!

Joe - W7RKN

44030. Re: [DrakeRadio] TR4 - restore or part?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 07:08:44 UTC
From: Richard Knoppow
Topic: 44025 Message: 44030

Well of course not. This is not a matter of scientific fact
but just attitude. I always want to fix things. Sometimes its
more practical to dump them. Depends a lot on judgement and
experience. Yours leads you to think this rig should be scrapped,
you may be right. To me it seems not to be damaged to the degree
that it should be scrapped without at least a try to restore it.
Maybe you saw something in the pix that I missed.

On 4/1/2018 7:46 PM, MadScientist1948 dukeshifi@...
[DrakeRadio] wrote:
> That?s what makes America great! We don?t have to agree on everything, all we need do is respect different opinions?
>
> Gary

--
Richard Knoppow
1oldlens1@...
WB6KBL

44031. Re: [DrakeRadio] TR4 - restore or part? [4 Attachments]

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 10:58:15 UTC
From: <km2km@...>
Topic: 44025 Message: 44031

It looks like a nice project.

Yes, clean it up as per a million suggestion on how to do - go to Garey's site (RIP), mild soap and water, plenty of elbow grease, Yes, an investment in decent tubes (less than an accessory from Antenna from DX though), and enjoy a nice rig on the daily nets. Voice quality - great.

Part it out? - hours of clipping and packing and sending the the PO, and then you end up with a chassis full of wires that folks at Drake had put together with TLC and it goes to a sad recycle.

I vote for restoration - a "driver" as they say in the old Jaguar crowd - no Pebble Beach, but the sound in the ears (both the Jag and the Drake) is where the romance is.

Kris KM2KM
MERSCHROD
123 Warren Road
Ithaca, NY 14850

---- "dshuev@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

==========
Hello:

Need some guidance as to what to do with this one - attempt to restore (would be definitely a labor of love), or part? Unit looks complete, not cannibalized, all crystals are there, with Noise Blanker (hard-wired at the factory version), but chassis shows significant corrosion.

Cabinet OK, no dents, all four feet are there, but repainted in the past.

Any suggestions?

Regards,
Dmitri

44033. Re: [DrakeRadio] Drake Parts for sale ITEMS ADDED

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 13:11:27 UTC
From: Frank Barnes
Topic: 44019 Message: 44033

Lee, is there a cable that connects a TX4C transmitter to its power supply? I have the xmtr but no cable and would like one.
Frank
W4NPN

On Sun, Apr 1, 2018 at 10:52 AM, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Drake Parts for Sale, KC9CDT Lee
> Simmonds
>
> All parts do not iclude shiping as I will combine shipping based on what
> you select:
>
> ADDED 4/1
> A) QTY 3....Drake INJ cables.....$8 each
> B) QTY 12...Drake Interconnect cables.........$5 Each
> OR $75 for all 15 cables
>
> 7) Knob for L-4B WITH white line NOS.....$10.
>
> 8) Knob for L-4B No white line NOS....$10
>
> 9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions
> of yours so we can be sure it is for TR-7)
>
> 13) New Plate meter for TR-4 etc....P/N 358-0160....$30
>
> 15) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
>
> 16) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
>
> 17) New transformer P/N 369-0170, not sure if its audio out or
> what.....$20.
>
> 22) 1 3-500Z metal plate cap NOS P/N 467-1026....$10
>
> 40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
>
> 57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not
> sure its B or C line RX or TX........$30
> These are NOS, not used
>

> 64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
>
> 65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
>
> 67) 39 Set Screw standard BAR knobs NOS or excellent cond.......$2 EACH
>
> 68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$10
>
> 69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$10
>
> 70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$10
>
> 72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$2
>
> 77) 1 New Jersey Semiconductor 2N2430....NOS...$2
> 78) 3 New Jersey Semiconductor 2N2926....NOS...$6
> 79) 2 New Jersey Semiconductor 2N3638....NOS...$4
>
> 80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not
> sure its B or C line RX or TX........$30
> These are NOS, not used
>
> 82 Knob for TR-7 main tuning....$20 (I think...let me know the dimentions
> of yours so we can be sure it is for TR-7)
>
> I have identified these parts as well as I can...please ask about any
> particular one(s). I can send a photo and if were not sure what it is
> for...we can try to find out together.
>
> Let me know the number (s) of what you want First come basis...I will
> combine for shipping and keep it as low as possible.
>
> 73,
> Lee
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 <(260)%20403-6936> Cell
>
>
>

--
Frank Barnes
W4NPN
Chapel Hill, NC
Grid Square FM05
Cell 919.260.7955

44035. Re: [DrakeRadio] Drake Parts for sale ITEMS ADDED

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 13:40:16 UTC
From: armando martins
Topic: 44019 Message: 44035

Hi Frank I have a reel for 12 core cable which I used for my own
DRAKE's. they are not colour wire but number from 1 to 11 plus
a earth one. If you want to use this cable like the way I replace
my ones please let me know by email me. I can let you have 3/4
feet or more
Regards
M0PAM

On Mon, 2/4/18, Frank Barnes fbw4npn@gmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:

Subject: Re: [DrakeRadio] Drake Parts for sale ITEMS ADDED
To: DrakeRadio@yahoogroups.com, Kc9cdt@...
Date: Monday, 2 April, 2018, 14:11

Lee, is there a
cable that connects a TX4C transmitter to its power
supply? I have the xmtr but no cable and would like
one.FrankW4NPN
On Sun, Apr 1, 2018 at
10:52 AM, Kc9cdt@...
[DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:

          Drake Parts for Sale, KC9CDT Lee
Simmonds

All parts do not iclude shiping as I will combine
shipping based on what you select:

ADDED 4/1

A) QTY 3....Drake INJ cables.....$8 each

B) QTY 12...Drake Interconnect cables.........$5
Each

OR $75 for all 15 cables

7) Knob for L-4B WITH white line NOS.....$10.

8) Knob for L-4B No white line NOS....$10

9) Knob for TR-7 main tuning....$20 (I think...let me
know the dimentions of yours so we can be sure it is for
TR-7)

13) New Plate meter for TR-4 etc....P/N
358-0160....$30

15) New Plate meter for T-4XC (others too?) P/N
358-0120....$30

16) New Plate meter for T-4XC (others too?) P/N
358-0120....$30

17) New transformer P/N 369-0170, not sure if its audio
out or what......$20.

22) 1 3-500Z metal plate cap NOS P/N
467-1026....$10

40) 1 Preselector knob NOS for 4 line P/N
345-0050.....$10

57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All
5 as a set....Not sure its B or C line RX or
TX........$30

These are NOS, not used

64) 1 Preselector knob NOS for 4 line P/N
345-0050.....$10

65) 1 Preselector knob NOS for 4 line P/N
345-0050.....$10

67) 39 Set Screw standard BAR knobs NOS or excellent
cond.......$2 EACH

68) 1 NEW T-4XC PC board complete...P/N
210-3225.....$10

69) 1 NEW T-4XC PC board complete...P/N
210-3195.....$10

70) 1 NEW T-4XC PC board complete...P/N
210-3220.....$10

72) 2 Crystal boards NOS 1 is 4 position, 1 is 5
position....$2

77) 1 New Jersey Semiconductor 2N2430....NOS...$2

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80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All
5 as a set....Not sure its B or C line RX or
TX........$30

These are NOS, not used

82 Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for....we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.

73,

Lee

Lee Simmonds

Summit DCS

260-403-6936
Cell

--
Frank Barnes
W4NPN
Chapel Hill, NC
Grid Square FM05
Cell 919.260.7955

44036. Re: [DrakeRadio] Can Anyone Tell Me.....

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 14:45:23 UTC
From: Walter Milton
Topic: 44029 Message: 44036

Hi,

I have an ARB-704 that I use with my LB-4 with no problems.

Walt, KA2NJF

Sent from my iPhone
Psalm 1
Walt

> On Apr 2, 2018, at 02:57, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:
>
> …or, advise me….
>
>
>
> As many of you know (from my whining's!) My L7 decided to go BANG a few weeks ago..
>
>
>
> So….I Pulled out a known good L-B4 and set it up.
>
>
>
> Only, as a good, well organized ham operator that I am…..
>
>
>
> I forgot where I put my adapter VOX Relay plug!
>
>
>
> Hmmmmm….
>
>
>
> Well, through the good offices of users here, I acquired the needed plug.
>
>
>
> Hooked it up, observing polarity, and…..
>
>
>
> No joy.

>
>
>
> Again….Hmmmmm.…
>
>
>
> Power supply is good, brought over the C radios and fired right up, good, full output, plus some. (Peter Dahl transformer transplant) (No room on the working desk for the C radio setup, or I would have left them in place. L)
>
>
>
> So, amp and P.S. good.
>
>
>
> Gotta be the ARB-704, right?
>
>
>
> Plugged in my spare….Guess what?!!
>
>
>
> You guessed it, No Joy!
>
>
>
> Welp, I guess I will have to fix the L7. So I did. A cat hair was the culprit, but won’t go into that right now.
>
>
>
> As said in the outset of this literary masterpiece: Can Anyone tell me, or advise me, ***WHY*** the ARB-704 keying interface, wouldn’t bring up the L-4B but works fine on the L7?
>
>
>
> Thanks in advance!
>
>
>
> Joe – W7RKN
>
>

44037. Re: [DrakeRadio] TR4 - restore or part?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 16:56:39 UTC
From: dshuev@...
Topic: 44025 Message: 44037

OK, gentlemen - thank you all for the input!

It seems that a common consensus is to try and give the unit some TLC.
Putting it in the dish washer is an interesting idea - is this something that can be done without potential harm to the coils? Also, if I am to do it, it would have to be without my XYL around :)

As it stands, the unit came with all but one tubes, including finals - I just removed them to get a better look at the chassis. They all seem to be originals, i.e. green Sylvania brand, and I have the missing one in my (very small) stash. Shouldn't be too much of an effort to test them all and put them back in to check the life signs...

Regards,
Dmitri

44038. Re: [DrakeRadio] Re: Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 22:02:53 UTC
From: John Magliacane
Topic: 43996 Message: 44038

On Sat, 3/31/18, Doug Coffman dj_coffman@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

> If you feed a non-resonant antenna or an antenna system that is resonant but not a 50ohm system one uses an antenna tuner to make the transmitter happy.
> The tuner simply does not tune the antenna, it presents a 50 ohm load to the transmitter, assuming that's what the transmitter wants and one is using coax
> that's 50 ohms. You simply cannot "tune" an antenna at the transmitter but you hope to make the transmitter happy.
>
> Maybe my understanding of all of the concepts are wrong, if so, please enlighten me.
> 73, Doug -
> N9XTF

First, a couple of things to think about:

Q1: If a change in impedance/resonance is made at the antenna end of the feedline, will there be any impedance/resonance change at the transmitter end of the feedline?

Q2: If a change in impedance/resonance is made at the transmitter end of the feedline, will there be any impedance/resonance change at the antenna end of the feedline?

Many believe the answer to Question 1 is true, while the answer to Question 2 is false.

But that's impossible!

A transmission line is a two-way street. What happens at one end WILL directly affect the other. Therefore, any change in impedance matching that affects tuning/resonance at the transmitter WILL also affect tuning/resonance at the antenna.

73 de John, KD2BD

44039. Re: [DrakeRadio] Re: Drake MN2700 two versions ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 22:56:07 UTC
From: Richard Knoppow
Topic: 43996 Message: 44039

Doesn't quite cover all the bases. Lets take the case of an antenna that is resonant at a certain frequency and is attached via a transmission line that matches its impedance. Now, ignoring the transmitter tuning for the moment the transmitter end of the transmission line will present the antenna impedance. Now suppose we tune the same antenna to another frequency, say by adjusting its length, the feed point impedance will remain the same. Actually there will be a difference due to the ground but lets say either the antenna is in free space (try to find any these days) or we have also adjusted the height. The feed point impedance will remain the same and so will the impedance seen at the transmitter (or receiver) side of the transmission line. Now, supposing the transmission line does not match the antenna impedance, the impedance at the transmitter side will vary with the length of the line and its inherent (or surge) impedance. We can return the transmitter side to the original value by adjusting the length of the line or tuning it in some other way, say with a stub.
This is a special case and does not invalidate your point. Antenna tuners are usually what are called "lumped constant" devices but the same thing can be accomplished with a "distributed constant" device, such as a stub or section of transmission of the right length and inherent impedance. The tuner is usually composed of variable condensers and coils so can be adjusted over a wide range to get similar results to a stub or section but can be retuned easily. While this is a convenience the same thing can be done with the ouput circuit of many transmitters, which are pi network matching circuits. The tuning matches the plate impedance of the tubes to the transmission line. An external tuner may work over a wider range than the built-in tuner in most transmitters.
I don't know why it is so difficult to find comprehensible explanations of this in the literature but it does seem that way. In any case discussions like this one are helpful because you get the viewpoint of several people and one may strike a spark of understanding.

On 4/2/2018 3:02 PM, John Magliacane kd2bd@... [DrakeRadio] wrote:
> On Sat, 3/31/18, Doug Coffman dj_coffman@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>> If you feed a non-resonant antenna or an antenna system that is resonant but not a 50ohm system one uses an antenna tuner to make the transmitter happy.
>> The tuner simply does not tune the antenna, it presents a 50 ohm load to the

transmitter, assuming that's what the transmitter wants and one is using coax
>> that's 50 ohms.? You simply cannot "tune" an antenna at the transmitter but you hope to make the transmitter happy.
>>
>> Maybe my understanding of all of the concepts are wrong, if so, please enlighten me.
>> 73,? Doug -
>> N9XTF
>
> First, a couple of things to think about:
>
> Q1: If a change in impedance/resonance is made at the antenna end of the feedline, will there be any impedance/resonance change at the transmitter end of the feedline?
>
> Q2: If a change in impedance/resonance is made at the transmitter end of the feedline, will there be any impedance/resonance change at the antenna end of the feedline?
>
> Many believe the answer to Question 1 is true, while the answer to Question 2 is false.
>
> But that's impossible!
>
> A transmission line is a two-way street. What happens at one end WILL directly affect the other. Therefore, any change in impedance matching that affects tuning/resonance at the transmitter WILL also affect tuning/resonance at the antenna.
>
>
> 73 de John, KD2BD
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44042. Station monitor?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 23:32:50 UTC
From: dshuev@...
Topic: 44042 Message: 44042
Attachments: 1 described; binary payloads are missing from this source WARC

Gentlemen:

Does anyone recognize this device? Looks like a monitor scope, although I do not see any reference to it anywhere on the net...

Regards,
Dmitri

44043. Re: [DrakeRadio] Monitor scope?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 23:40:03 UTC
From: VE7PS
Topic: 44043 Message: 44043
Attachments: 1 described; binary payloads are missing from this source WARC

First name and call is always nice!

Yes, a very few of these "Drake" HO-10 monitorscopes have shown up over the last few years, with at least one on ebay, but I am not sure if it was this one or not. Possibly, as I believe the one up for auction had the "incorrect' knobs. Including mine, I believe I have seen a total of 3 so far.

Mine has smaller versions of the 4-line knob, like the one on a Drake TC-6 transmit converter. I also painted the scope bezel black, and added the corner screws to the front panel to make it look even more like a real B-line accessory. Pic attached.

Makes a very rare and nice addition to a 4-line station. Unfortunately Drake did not make them, and so far I have been unable to find who made the front panels, though it would appear they were made by the same company that did the rest of the 4-line. The Drake employees I have met over the years have not been able to shed any light on the mystery.

73

Peter
VE7PS

On 4/2/2018 4:26 PM, dshuev@... [DrakeRadio] wrote:
> Gentlemen:
>
> Does anyone recognize this device? Looks like a monitor scope,
> although I do not see any reference to it anywhere on the net...
>
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

44044. Re: [DrakeRadio] Monitor scope?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 23:41:00 UTC
From: Ken Winterling
Topic: 44043 Message: 44044

I am sure that is a Heathkit monitor scope in Drake clothing...

On Mon, Apr 2, 2018 at 19:26 dshuev@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Gentlemen:
>
> Does anyone recognize this device? Looks like a monitor scope, although I
> do not see any reference to it anywhere on the net...
>
>
> ------------------------------
> Posted by: dshuev@...
>
--

Ken
WA2LBI

Sent from one of my mobile devices

44045. Re: [DrakeRadio] Monitor scope? [1 Attachment]

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 23:44:36 UTC
From: Richard Knoppow
Topic: 44043 Message: 44045

Do you mean that Drake did not make the scopes or just the
panels?

On 4/2/2018 4:40 PM, VE7PS ve7ps@... [DrakeRadio] wrote:
>
>
> First name and call is always nice!
>
> Yes, a very few of these "Drake" HO-10 monitorscopes have shown
> up over the last few years, with at least one on ebay, but I am
> not sure if it was this one or not.? Possibly, as I believe the
> one up for auction had the "incorrect' knobs.? Including mine, I
> believe I have seen a total of 3 so far.
>
> Mine has smaller versions of the 4-line knob, like the one on a
> Drake TC-6 transmit converter.? I also painted the scope bezel
> black, and added the corner screws to the front panel to make it
> look even more like a real B-line accessory.? Pic attached.
>
> Makes a very rare and nice addition to a 4-line station.
> Unfortunately Drake did not make them, and so far I have been
> unable to find who made the front panels, though it would appear
> they were made by the same company that did the rest of the
> 4-line.? The Drake employees I have met over the years have not
> been able to shed any light on the mystery.
>
> 73
>
> Peter
> VE7PS
Richard Knoppow
1oldlens1@...
WB6KBL

44046. Re: [DrakeRadio] Monitor scope?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-02 23:55:45 UTC
From: dshuev@...
Topic: 44043 Message: 44046

My apologies - it seems that there was a glitch in posting (happens to me rather often on Yahoo Groups), and first post came in without attachment, and 2nd one just the attachment, w/o description :/

Dmitri
VA3VRE

44047. Re: Station monitor?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 00:22:36 UTC
From: dshuev@...
Topic: 44042 Message: 44047

Indeed, it seems that it might be either a Heath HO-10, or possibly an SB-610, but with a professionally made front panel, and B-line matching knobs... But the overall result is a rather cool complement to a B-line.

44048. Looking for knob for 2AQ/2BQ

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 00:41:13 UTC
From: Barry
Topic: 44048 Message: 44048

Anyone know where I might find a replacement knob for the TUNING control for a 2AQ/2BQ? This is the one with the small skirt and no pointer triangle. The same knob is used on the PRESELECTOR control on a 2A/2B.

Thanks,
Barry - N4BUQ

44049. Re: [DrakeRadio] Looking for knob for 2AQ/2BQ

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 00:46:38 UTC
From: Joseph Devonshire
Topic: 44048 Message: 44049

Barry,
    I don't see any Drake knobs listed on Ed's site Renovated Radios LLC I believe he's doing 3D printing now of knobs, so he might be able to help if you get stuck.

73.Joe AB1YO

|
|
|
| | |

|

|
|
| |
Renovated Radios LLC

|

|

|

On Monday, April 2, 2018, 8:41:24 PM EDT, Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Anyone know where I might find a replacement knob for the TUNING control for a 2AQ/2BQ? This is the one with the small skirt and no pointer triangle. The same knob is used on the PRESELECTOR control on a 2A/2B.

Thanks,
Barry - N4BUQ

44050. Re: [DrakeRadio] Looking for knob for 2AQ/2BQ

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 00:51:36 UTC
From: Barry
Topic: 44048 Message: 44050

Hi Joe,

Thanks for the link! The knob I have is only cracked so I'm not in a tight for it but would kind of like to find an intact one if I can.

Thanks again,
Barry - N4BUQ

> Barry,
>   I don't see any Drake knobs listed on Ed's site Renovated Radios LLC I
>   believe he's doing 3D printing now of knobs, so he might be able to help
>   if you get stuck.
>
> 73.Joe AB1YO

44051. Re: [DrakeRadio] Re: Station monitor?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 01:05:51 UTC
From: Steve Wedge
Topic: 44042 Message: 44051

I’ve seen one of these for sale. The innards are Heathkit. The panel was painted to go with the Drake rigs.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Apr 2, 2018, at 20:22, dshuev@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Indeed, it seems that it might be either a Heath HO-10, or possibly an SB-610, but with a professionally made front panel, and B-line matching knobs... But the overall result is a rather cool complement to a B-line.
>
>

44053. Re: [DrakeRadio] Looking for knob for 2AQ/2BQ

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 03:54:01 UTC
From: Stan Gammons
Topic: 44048 Message: 44053

The stuff 3M makes? Orthodontist use one of the 3M UV products to glue the brackets on teeth when they put braces on. Yeah, it's pretty strong glue. Never thought about using it to repair broken knobs.

73

Stan
KM4HQE

On 04/02/2018 10:43 PM, 'Terrell Hamilton' hamilter@... [DrakeRadio] wrote:
>
> Barry - Have you tried some of that UV glue that is on the market?I
> have squeezed some of the goo into cracks, and used the little UV
> flashlight on it, which hardens almost (?) instantly, and is hard and
> strong.
>
> Terry K7WLD
>
>

44054. Re: [DrakeRadio] Looking for knob for 2AQ/2BQ

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 13:23:05 UTC
From: Barry
Topic: 44048 Message: 44054

Hi Terry,

While I haven't examined it all that closely yet, it appears the knob is either only cracked (excess set-screw torque, etc.) or was cracked/broken and glued back together. Either way, I'd probably do more harm than good trying to "fix" it.

It's really not that noticeable - until it is. I was hoping to find a replacement that hasn't been damaged.

Thanks again,
Barry - N4BUQ

> Barry - Have you tried some of that UV glue that is on the market? I have
> squeezed some of the goo into cracks, and used the little UV flashlight on
> it, which hardens almost (?) instantly, and is hard and strong.
>
> Terry K7WLD
>

44055. F.S. Drake R4C receiver

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 15:30:15 UTC
From: Joseph Trombino, Jr
Topic: 44055 Message: 44055

Howdy Fellow Drakesters.

For sale is my Drake R4C receiver...this unit is stock with no mods and has a high serial number of 25283.

The receiver is in excellent condition...9.5 or better and is a hot on all bands.

Has the 12.6Mhz crystal for 160M transceive.

Includes a professionally bound copy of the manual.

Will ship for $335.

73, Joe W2KJ

44056. F.S. DX Engineering Speech Processor for the Drake T4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 15:32:17 UTC
From: Joseph Trombino, Jr
Topic: 44056 Message: 44056

Howdy Fellow Drakesters.

I have for sale a DX Engineering Speech processor for the T4XC.

It really adds punch and enhanced audio quality to the T4XC SSB audio.

Will ship for $150.

73, Joe W2KJ

44057. Re: [DrakeRadio] F.S. DX Engineering Speech Processor for the Drake T4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 16:21:53 UTC
From: Kc9cdt@...
Topic: 44056 Message: 44057

Does it work on a TR-4?
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: 'Joseph Trombino, Jr' jotrom@bellsouth.net [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: drakeradio <drakeradio@yahoogroups.com>
Sent: Tue, Apr 3, 2018 11:32 am
Subject: [DrakeRadio] F.S. DX Engineering Speech Processor for the Drake T4XC

Howdy Fellow Drakesters.

I have for sale a DX Engineering Speech processor for the T4XC.

It really adds punch and enhanced audio quality to the T4XC SSB audio.

Will ship for $150.

73, Joe W2KJ

44058. Drake L-4B Versions

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 17:44:12 UTC
From: aw1929@...
Topic: 44058 Message: 44058

Hi Folks,

I'm working on an electronic version (Visio/PDF) of the schematic and parts list for my Drake L-4B.

The manual I have shows a version that has ONLY 80 thru 15 meter coverage...clearly there must have been a model made that didn't include 10M.

The schematic in my manual (which is for the 4 band version) also shows a "Low Pass Filter" inserted at the input to the amplifier ahead of the input select portion of the band switch.

The amplifier I have has all five bands and no LPF at the input, so I'm assuming the manual included with the unit is actually for the earlier version? I've downloaded a PDF of the five band version, so I THINK my schematic redraw and parts list will be correct.

Can anyone tell me if there was, indeed, a four-band version of the L-4B and more importantly, if all the five band version schematics are the same?

Thanks very much!!

Mike
W7KWQ
Woodland, WA

44059. Re: [DrakeRadio] Drake L-4B Versions

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 19:56:56 UTC
From: Evan
Topic: 44058 Message: 44059

Mike,

This is a strange one. I was unaware of the L4B lacking 10M, I had never seen one. The input LPF was used on the L7 back in the day when 10M was disabled, along with at least 3 different variants of bandswitch stops. If you can't find original information, you might be able to derive something from the L7 documentation.

73,

Evan, K9SQG

-----Original Message-----
From: aw1929@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Tue, Apr 3, 2018 2:12 pm
Subject: [DrakeRadio] Drake L-4B Versions

Hi Folks,

I'm working on an electronic version (Visio/PDF) of the schematic and parts list for my Drake L-4B.

The manual I have shows a version that has ONLY 80 thru 15 meter coverage...clearly there must have been a model made that didn't include 10M.

The schematic in my manual (which is for the 4 band version) also shows a "Low Pass Filter" inserted at the input to the amplifier ahead of the input select portion of the band switch.

The amplifier I have has all five bands and no LPF at the input, so I'm assuming the manual included with the unit is actually for the earlier version? I've downloaded a PDF of the five band version, so I THINK my schematic redraw and parts list will be correct.

Can anyone tell me if there wa s, indeed, a four-band version of the L-4B and more importantly, if all the five band version schematics are the same?

Thanks very much!!

Mike
W7KWQ
Woodland, WA

44060. TR7 receive antenna

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 20:04:12 UTC
From: <todd@...>
Topic: 44060 Message: 44060

I was wondering if anyone in the group has had experience using a separate receive antenna on their TR7. I am considering connecting a separate quieter receive antenna like a beverage to the receive antenna connection on the back of the TR7. The way I am operating now I have a much stronger transmit on a 40 meter dipole and a much quieter receive (hear stations much better) on my W5GI antenna. I switch back and forth with my MN2700 tuner antenna selector switch. I think this is because there is so much noise on the dipole the TR7's AGC turns the receive sensitivity down on the dipole. Any advice or suggestions would be appreciated. 73,? Todd? K1TOD email: todd@...

44061. Re: [DrakeRadio] Drake L-4B Versions

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 23:45:39 UTC
From: VE7PS
Topic: 44058 Message: 44061
Attachments: 1 described; binary payloads are missing from this source WARC

I, too, had never seen an L-4B with 10m blocked as the US domestic L-7 amp was.

I have two schematics here, one a later version, but not sure of the corresponding serial # range for that particular schematic.

I did a Google image search for Drake L-4B, which revealed plenty of late model C-line style amps, characterized by the lack of a brushed aluminum edge around the front panel. Way down the picture list, I came across a pic that clearly shows 10m blocked out by what looks like blue-coloured stick-on "dots" on both the Plate Tune control and the Bandswitch markings. Pic is attached. Seems strange that anyone would do that, so maybe the last ones Drake produced had to meet the new FCC rules of the day and they accomplished it as simply as that? The amp had been listed for sale recently so maybe a list member is the new owner. All other L-4B's pictured had the 10m markings on the front panel.

Let's hope I see this e-mail make the list. Two sent yesterday never showed up.

73
Peter
VE7PS

On 4/3/2018 12:56 PM, Evan k9sqg@... [DrakeRadio] wrote:
>
> Mike,
>
>
> This is a strange one. I was unaware of the L4B lacking 10M, I had
> never seen one. The input LPF was used on the L7 back in the day when
> 10M was disabled, along with at least 3 different variants of
> bandswitch stops. If you can't find original information, you might
> be able to derive something from the L7 documentation.
>
> 73,
>
> Evan, K9SQG
>
>
> -----Original Message-----
> From: aw1929@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
> To: DrakeRadio <DrakeRadio@yahoogroups.com>
> Sent: Tue, Apr 3, 2018 2:12 pm
> Subject: [DrakeRadio] Drake L-4B Versions

>
> Hi Folks,
>
> I'm working on an electronic version (Visio/PDF) of the schematic and
> parts list for my Drake L-4B.
>
> The manual I have shows a version that has ONLY 80 thru 15 meter
> coverage...clearly there must have been a model made that didn't
> include 10M.
>
> The schematic in my manual (which is for the 4 band version) also
> shows a "Low Pass Filter" inserted at the input to the amplifier ahead
> of the input select portion of the band switch.
>
> The amplifier I have has all five bands and no LPF at the input, so
> I'm assuming the manual included with the unit is actually for the
> earlier version? I've downloaded a PDF of the five band version, so I
> THINK my schematic redraw and parts list will be correct.
>
> Can anyone tell me if there wa s, indeed, a four-band version of the
> L-4B and more importantly, if all the five band version schematics are
> the same?
>
> Thanks very much!!
>
> Mike
> W7KWQ
> Woodland, WA
>
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

44062. More on the 4-line Monitorscope

Yahoo group: DrakeRadio (2018)
Date: 2018-04-03 23:50:35 UTC
From: VE7PS
Topic: 44062 Message: 44062

Well, seeing as the L-4B e-mail made the list in about 2 seconds today,
I'll retry this one:

All:

I tried to copy the list on this earlier this afternoon but it appears
to have gone down the drain.....trying again.

Richard et al;

The scope is a standard Heathkit HO-10 monitorscope mounted in a Drake
TC-2 or TC-6 cabinet, with a front panel that appears to have been made
by the same company that did the Drake 4-line panels as the quality is
so good. Along the bottom edge, it says just "HO-10 Monitorscope".

There were several people that did Collins S-line versions of the
Heathkit SB-610 monitorscope, all well known. So far, I have not been
able to determine who made the Drake version, or even if only one
individual was responsible. One thing for sure, very few exist!

I know of one list member that has made a gorgeous 7-line monitorscope
out of a TR-7 cabinet and a Heathkit SB-614. One day I hope to
duplicate that! I need to find a decent TR-7 carcass for the project
(hint, hint!).

73
Peter
VE7PS

On 4/2/2018 4:44 PM, Richard Knoppow wrote:
   Do you mean that Drake did not make the scopes or just the panels?

This email has been checked for viruses by AVG.
http://www.avg.com

44063. Re: [DrakeRadio] Drake L-4B Versions [1 Attachment]

Yahoo group: DrakeRadio (2018)
Date: 2018-04-04 00:54:07 UTC
From: Jeffrey Angus
Topic: 44058 Message: 44063

On 4/3/18 6:45 PM, VE7PS wrote:
> I, too, had never seen an L-4B with 10m blocked as the US
> domestic L-7 amp was.
There was already a huge "gray market" for 10/11 meter capable
equipment.
The FCC stepped in and said "No more 10/11 meter amplifiers."

I had to repair a Heathkit SB-220 amplifier that had the "Oh no
you don't" low pass filter ahead of the amplifier blown out of it.
Heath mounted it with rivets, not "user friendly" at all.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44064. Re: [DrakeRadio] Drake L-4B Versions [1 Attachment]

Yahoo group: DrakeRadio (2018)
Date: 2018-04-04 01:38:59 UTC
From: Robb Urie
Topic: 44058 Message: 44064

Drake did made an L-4B-1 that was missing 10 meters. The band switch had a light blue dot where the “10” would normally be and it also had a mechanical stop to keep it from engaging that unused position. The amp also was minus the normal input matching network for 10 meters. One final addition was a low pass filter located under the chassis. I own one of these last versions and know of another one locally. I was able to purchase a 10 meter mod kit from Drake right before they liquidated all of their spares and Mr. Frost even told me the story behind the 80-15 meter versions. He estimated less than 200 were built.

Forget the serial number but can take a look if anyone is interested.

73,

Robb NØRU

44065. RE: [DrakeRadio] Drake L-4B Versions

Yahoo group: DrakeRadio (2018)
Date: 2018-04-04 01:44:30 UTC
From: Joe
Topic: 44058 Message: 44065

And, I guess Ameritron kissed somebody's ‘you know what’ and got the FCC to OK a simple shorting wire (HEH, GREEN!!) to disable 10 meters. SNIP SNIP!!

Joe – W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]

Subject: Re: [DrakeRadio] Drake L-4B Versions

On 4/3/18 6:45 PM, VE7PS wrote:

> I, too, had never seen an L-4B with 10m blocked as the US domestic L-7

> amp was.

There was already a huge "gray market" for 10/11 meter capable equipment.

The FCC stepped in and said "No more 10/11 meter amplifiers."

I had to repair a Heathkit SB-220 amplifier that had the "Oh no you don't" low pass filter ahead of the amplifier blown out of it.

Heath mounted it with rivets, not "user friendly" at all.

44066. RE: [DrakeRadio] Drake L-4B Versions

Yahoo group: DrakeRadio (2018)
Date: 2018-04-04 03:35:03 UTC
From: Michael Cooley
Topic: 44058 Message: 44066

Wow! Your collective memory is FAR better than mine! I had completely spaced that whole thing about the 10/11M amplifier thing.
The manual I have must be for one from that period--the photo on the front actually only has markings for 80 - 10M switch positions and, while the schematic doesn't show the input network for 10M (along with the block marked "Low Pass Filter"), I bet all that stuff was probably still in the amplifiers because they didn't even bother to re-order the part numbers to reflect the missing components.
Of course that's all speculation on my part...some of you may well know the real story about that.
Anyway, this certainly answers my question about the discrepancies between the pdf I downloaded and the manual that was shipped with the amplifier.
Thanks very much--you guys are great!!!
MikeW7KWQ

44067. Re: [DrakeRadio] Monitor scope?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-04 04:17:28 UTC
From: ko4bg1@...
Topic: 44043 Message: 44067

Hello, I posted or tried too about the Scope yesterday or the day before but something happened to it. A Very Good Friend of mine made the Scope several years ago and did an Excellent job on them I think he built 2 but wouldn't swear to it. He is Danny KV4H and one heck of a Builder! He built something for the 7 line and my feeble mind can't remember what but The Big time Drake collector in Norway bought it several years back.
Woody "KO4BG"

44068. R4B Alignment Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-04-04 13:25:52 UTC
From: tom.hellem@...
Topic: 44068 Message: 44068

Hit a snag right off the bat on the alignment procedure in the R4B manual-
In sec. 6.4.2 it describes adjustment of the 50 khz. oscillator and step 3 instructs you to connect an alignment load from pin 5 of V5 to TP3 on the calibrator PC board.

Problem is I am not seeing any indication of the location of TP3 either on the board itself or on the schematic. Can anybody point me in the right direction?

I wonder how many more of these little gems are hidden inside the alignment instructions- maybe one must be a member of the Secret Society of Drakesters to be privy to the correct info??

Thanks to all who may have input on this.

Tom
K0SN
Missoula, MT

44070. DAYTON HAMVENTION DRAKE FORUM

Yahoo group: DrakeRadio (2018)
Date: 2018-04-04 15:08:54 UTC
From: Mark Gilger
Topic: 44070 Message: 44070

The Drake Forum will be Saturday May 19th in Forum room 1 at 9:15-10:15.

73's,

Mark, WB0IQK

44071. Re: [DrakeRadio] R4B Alignment Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-04-04 15:39:31 UTC
From: Joni Zornes
Topic: 44068 Message: 44071
Attachments: 1 described; binary payloads are missing from this source WARC

TP3 is shown on the calibrator board drawing on page 24 of the manual. It is located near the bottom center of the drawing on that page and connects to points A, B, or C depending on the frequency you want, 25, 50 or 100 Khz.

On Wed, Apr 4, 2018 at 8:25 AM, tom.hellem@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Hit a snag right off the bat on the alignment procedure in the R4B manual-
>
> In sec. 6.4.2 it describes adjustment of the 50 khz. oscillator and step 3
> instructs you
>
> to connect an alignment load from pin 5 of V5 to TP3 on the calibrator PC
> board.
>
>
> Problem is I am not seeing any indication of the location of TP3 either on
> the board itself
>
> or on the schematic. Can anybody point me in the right direction?
>
>
> I wonder how many more of these little gems are hidden inside the
> alignment
>
> instructions- maybe one must be a member of the Secret Society of
> Drakesters
>
> to be privy to the correct info??
>
>
> Thanks to all who may have input on this.
>
>
> Tom
>
> K0SN
>
> Missoula, MT
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44072. Re: [DrakeRadio] R4B Alignment Problem

Yahoo group: DrakeRadio (2018)
Date: 2018-04-04 16:13:08 UTC
From: jonizornes@...
Topic: 44068 Message: 44072
Attachments: 1 described; binary payloads are missing from this source WARC

[Body unavailable in the source archive]

44073. Info

Yahoo group: DrakeRadio (2018)
Date: 2018-04-06 12:38:30 UTC
From: Tom
Topic: 44073 Message: 44073

Is group offline again?

44074. Re: [DrakeRadio] Info

Yahoo group: DrakeRadio (2018)
Date: 2018-04-06 12:44:50 UTC
From: Moe Fretz
Topic: 44073 Message: 44074

no

$-------&
Moe Fretz

Cambridge
Ontario, Canada

On Fri, Apr 6, 2018 at 8:38 AM, Tom tbahr@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Is group offline again?
>
>

44075. Re: [DrakeRadio] Info

Yahoo group: DrakeRadio (2018)
Date: 2018-04-06 12:47:25 UTC
From: Brian Smith
Topic: 44073 Message: 44075

I wondered the same. One of my emails to the group got stuck in purgatory long enough at yahoo that it was sent back to me saying it failed to send

Brian Smith

> On Apr 6, 2018, at 7:38 AM, Tom tbahr@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Is group offline again?
>
>

44076. Re: [DrakeRadio] Info

Yahoo group: DrakeRadio (2018)
Date: 2018-04-06 12:47:35 UTC
From: armando martins
Topic: 44073 Message: 44076

I keep receive emails, it could be your internet
M0PAM

On Fri, 6/4/18, Moe Fretz tubetester@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Subject: Re: [DrakeRadio] Info
To: DrakeRadio@yahoogroups.com, "Tom" <tbahr@...>
Date: Friday, 6 April, 2018, 13:44

no

$-------&
Moe Fretz

Cambridge
Ontario, Canada

On
Fri, Apr 6, 2018 at 8:38 AM, Tom tbahr@...
[DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:

Is group offline again?

44077. Re: [DrakeRadio] Info

Yahoo group: DrakeRadio (2018)
Date: 2018-04-06 12:50:51 UTC
From: Tom
Topic: 44073 Message: 44077

No, the rest is working fine. Got your tresponse so all must be ok.
-------- Original message --------From: "armando martins martins.m0pam@btinternet.com [DrakeRadio]" <DrakeRadio@yahoogroups.com> Date: 4/6/18 7:47 AM (GMT-06:00) To: DrakeRadio@yahoogroups.com, Moe Fretz <tubetester@gmail.com>, Tom <tbahr@wi.rr.com>
Subject: Re: [DrakeRadio] Info
I keep receive emails, it could be your internet
M0PAM

On Fri, 6/4/18, Moe Fretz tubetester@gmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Subject: Re: [DrakeRadio] Info
To: DrakeRadio@yahoogroups.com, "Tom" <tbahr@wi.rr.com>
Date: Friday, 6 April, 2018, 13:44

no

$-------&
Moe Fretz

Cambridge
Ontario, Canada

On
Fri, Apr 6, 2018 at 8:38 AM, Tom tbahr@wi.rr.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Is group offline again?

44078. Re: [DrakeRadio] Info

Yahoo group: DrakeRadio (2018)
Date: 2018-04-06 12:58:43 UTC
From: Brian Smith
Topic: 44073 Message: 44078

I guess it’s my end. Thanks!

Brian Smith

> On Apr 6, 2018, at 7:50 AM, Tom tbahr@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:
>
> No, the rest is working fine. Got your tresponse so all must be ok.
>
>
> -------- Original message --------
> From: "armando martins martins.m0pam@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> Date: 4/6/18 7:47 AM (GMT-06:00)
> To: DrakeRadio@yahoogroups.com, Moe Fretz <tubetester@...>, Tom <tbahr@...>
> Subject: Re: [DrakeRadio] Info
>
> I keep receive emails, it could be your internet
> M0PAM
> ----------
> On Fri, 6/4/18, Moe Fretz tubetester@gmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:
>
> Subject: Re: [DrakeRadio] Info
> To: DrakeRadio@yahoogroups.com, "Tom" <tbahr@...>
> Date: Friday, 6 April, 2018, 13:44
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> Moe Fretz
>
> Cambridge
> Ontario, Canada
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> On
> Fri, Apr 6, 2018 at 8:38 AM, Tom tbahr@...m
> [DrakeRadio] <DrakeRadio@yahoogroups.com>
> wrote:
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44079. Re: [DrakeRadio] F.S. DX Engineering Speech Processor for the Drake T4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-04-06 14:09:38 UTC
From: William Shadid
Topic: 44056 Message: 44079

Unfortunately the speech processor for the T-4X(x) versions does not work with the TR-4 or the TR-3. The conversions schemes were different so they are not compatible.

DX Engineering offered a different version for the TR-4.

73,

-Bill, W9MXQ

On 4/3/2018 11:21 AM, Kc9cdt@... [DrakeRadio] wrote:
>
> Does it work on a TR-4?
> 73,
> Lee
> Lee Simmonds
> Summit DCS
> 260-403-6936 Cell
> -----Original Message-----
> From: 'Joseph Trombino, Jr' jotrom@... [DrakeRadio]
> <DrakeRadio@yahoogroups.com>
> To: drakeradio <drakeradio@yahoogroups.com>
> Sent: Tue, Apr 3, 2018 11:32 am
> Subject: [DrakeRadio] F.S. DX Engineering Speech Processor for the
> Drake T4XC
>
> Howdy Fellow Drakesters.
>
> I have for sale a DX Engineering Speech processor for the T4XC.
>
> It really adds punch and enhanced audio quality to the T4XC SSB audio.
>
> Will ship for $150.
>
> 73, Joe W2KJ
>

44080. Re: [DrakeRadio] Info

Yahoo group: DrakeRadio (2018)
Date: 2018-04-06 18:46:44 UTC
From: Richard Knoppow
Topic: 44073 Message: 44080

I also got two failure notices from the Yahoo machine.
Messages were in the cue too long. I did not check to see if the
messages were actually ever delivered. I have gotten similar
failure notices a couple of times in about the last month.

On 4/6/2018 5:58 AM, Brian Smith k9bps@... [DrakeRadio] wrote:
>
>
> I guess it?s my end. Thanks!
>
> Brian Smith
>
> On Apr 6, 2018, at 7:50 AM, Tom tbahr@...
> <mailto:tbahr@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> No, the rest is working fine.? Got your tresponse so all must
>> be ok.
>>
>>
>> -------- Original message --------
>> From: "armando martins martins.m0pam@...
>> <mailto:martins.m0pam@...> [DrakeRadio]"
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
>> Date: 4/6/18 7:47 AM (GMT-06:00)
>> To: DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>, Moe Fretz
>> <tubetester@... <mailto:tubetester@...>>, Tom
>> <tbahr@... <mailto:tbahr@...>>
>> Subject: Re: [DrakeRadio] Info
>>
>> I keep receive emails, it could be your internet
>> M0PAM
>> --
>> On Fri, 6/4/18, Moe Fretz tubetester@...
>> <mailto:tubetester@...> [DrakeRadio]
>> <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>> Subject: Re: [DrakeRadio] Info
>> To: DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>, "Tom" <tbahr@...
>> <mailto:tbahr@...>>
>> Date: Friday, 6 April, 2018, 13:44
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>> Fri, Apr 6, 2018 at 8:38 AM, Tom tbahr@...
>> <mailto:tbahr@...>
>> [DrakeRadio] <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>>
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44081. Re: [DrakeRadio] Info

Yahoo group: DrakeRadio (2018)
Date: 2018-04-06 19:35:21 UTC
From: Tom
Topic: 44073 Message: 44081

Not sure whats what, but I hadn't recieved any emails from group for a week. Then I got a few today, and a few dated 4/3. Perhaps I just forgot to wind the widgets.
-------- Original message --------From: Richard Knoppow <1oldlens1@ix.netcom.com> Date: 4/6/18 1:46 PM (GMT-06:00) To: DrakeRadio@yahoogroups.com, Brian Smith <k9bps@yahoo.com>, Tom <tbahr@wi.rr.com> Subject: Re: [DrakeRadio] Info
    I also got two failure notices from the Yahoo machine.
Messages were in the cue too long. I did not check to see if the
messages were actually ever delivered. I have gotten similar
failure notices a couple of times in about the last month.

On 4/6/2018 5:58 AM, Brian Smith k9bps@yahoo.com [DrakeRadio] wrote:
>
>
> I guess it’s my end. Thanks!
>
> Brian Smith
>
> On Apr 6, 2018, at 7:50 AM, Tom tbahr@wi.rr.com
> <mailto:tbahr@wi.rr.com> [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>
>> No, the rest is working fine. Got your tresponse so all must
>> be ok.
>>
>>
>> -------- Original message --------
>> From: "armando martins martins.m0pam@btinternet.com
>> <mailto:martins.m0pam@btinternet.com> [DrakeRadio]"
>> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>>
>> Date: 4/6/18 7:47 AM (GMT-06:00)
>> To: DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>, Moe Fretz
>> <tubetester@gmail.com <mailto:tubetester@gmail.com>>, Tom
>> <tbahr@wi.rr.com <mailto:tbahr@wi.rr.com>>
>> Subject: Re: [DrakeRadio] Info
>>
>> I keep receive emails, it could be your internet
>> M0PAM
>> --
>> On Fri, 6/4/18, Moe Fretz tubetester@gmail.com
>> <mailto:tubetester@gmail.com> [DrakeRadio]
>> <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>> Subject: Re: [DrakeRadio] Info

```
>> To: DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>, "Tom" <tbahr@wi.rr.com
>> <mailto:tbahr@wi.rr.com>>
>> Date: Friday, 6 April, 2018, 13:44
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>>        no
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>> $-------&
>> Moe Fretz
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>> Cambridge
>> Ontario, Canada
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>> On
>> Fri, Apr 6, 2018 at 8:38 AM, Tom tbahr@wi.rr.com
>> <mailto:tbahr@wi.rr.com>
>> [DrakeRadio] <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>>
>> wrote:
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44082. Re: [DrakeRadio] Info

Yahoo group: DrakeRadio (2018)
Date: 2018-04-06 20:10:11 UTC
From: Richard Knoppow
Topic: 44073 Message: 44082

There error messages I received were for messages sent about
March 31. They were in response to the thread about antenna
tuners. One had a couple of web links for articles on SWR. I
looked at my received messages but did not see either. I may just
have missed them but I think they never got through. The machine
said it was "giving up". I wonder if the the failure messages
you got were from about the same time. This problem happened at
Yahoo, not a local machine problem.
I also looked at the message list on the web site, did not
see the message there but may have missed it. I am not sure how
to sort messages by sender there since I rarely use the web site.
If your failure messages came at about the same time as mine
I suspect the Yahoo machine had a hiccup of some sort.

On 4/6/2018 12:35 PM, Tom tbahr@... [DrakeRadio] wrote:
>
>
> Not sure whats what, but I hadn't recieved any emails from group
> for a week. Then I got a few today, and a few dated 4/3.? Perhaps
> I just forgot to wind the widgets.

44083. Re: [DrakeRadio] Info

Yahoo group: DrakeRadio (2018)
Date: 2018-04-06 20:20:13 UTC
From: Steve Wedge
Topic: 44073 Message: 44083

599 here.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Fri, Apr 6, 2018 at 8:38 AM, Tom tbahr@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> Is group offline again?
>
>

44084. F.S. Drake R4C filters

Yahoo group: DrakeRadio (2018)
Date: 2018-04-06 21:17:59 UTC
From: Joseph Trombino, Jr
Topic: 44084 Message: 44084

Howdy fellow Drakesters.

I have for sale two filters for the R4C:

1.5Khz and 500Hz

Will ship each filter for $65.

73, Joe W2KJ

44085. RE: [DrakeRadio] Info

Yahoo group: DrakeRadio (2018)
Date: 2018-04-06 23:17:46 UTC
From: Joe
Topic: 44073 Message: 44085

When you get those failure notices, you have to look at the reason they were in the cue too long, usually the address not recognized, or exceeded max. size.
But.....Not always......

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Info

I also got two failure notices from the Yahoo machine.
Messages were in the cue too long. I did not check to see if the messages were actually ever delivered. I have gotten similar failure notices a couple of times in about the last month.

44086. RE: [DrakeRadio] Drake L-4B Versions [1 Attachment]

Yahoo group: DrakeRadio (2018)
Date: 2018-04-07 00:22:16 UTC
From: ko4bg1@...
Topic: 44058 Message: 44086

If this is a Double of my Email to the Group Please delete, I can Never tell what this is going to do or when its going to work. About the L4b without 10mtrs, I have 2 L4B's one with and one without, one has 10 Mtrs marked on the Band Sw. the other has a Bluish (?) Grey Dot where the 10 should be. and it does not have a tuned input for that band also. It came that way from Drake. So One With One Without! For what it worth.
73's
Woody "KO4BG"

44087. Re: RE: [DrakeRadio] Drake L-4B Versions

Yahoo group: DrakeRadio (2018)
Date: 2018-04-07 01:48:21 UTC
From: Michael Cooley
Topic: 44058 Message: 44087

Thanks, Woody! Yes, it appears Drake (along with other manufacturers during that period) had to comply with the Commission's effort to stop CB'er's from using amateur linear amplifiers on 11 meters. I had forgotten about that fiasco--I had a license then, but my memory failed me for some STRANGE reason!--so it was mysterious to me that the manual I have for my L-4B is actually for one of THOSE models because it shows the LPF in the input and no input tuning network for 10M in the schematic.
Thanks to all of you who pointed this out to me. I can now rest in peace, so to speak.
MikeW7KWQ
On Friday, April 6, 2018, 5:22:24 PM PDT, ko4bg1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

If this is a Double of my Email to the Group Please delete, I can Never tell what this is going to do or when its going to work.
 About the L4b without 10mtrs, I have 2 L4B's one with and one without, one has 10 Mtrs marked on the Band Sw. the other has a Bluish (?) Grey Dot where the 10 should be. and it does not have a tuned input for that band also. It came that way from Drake. So One With One Without! For what it worth.73'sWoody "KO4BG"

44088. re: Drake filters for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-04-07 02:01:08 UTC
From: Joseph Trombino, Jr
Topic: 44088 Message: 44088

Filters have been sold.

73, Joe W2KJ

44089. Question regarding a T4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-04-07 15:53:51 UTC
From: kg0mn@...
Topic: 44089 Message: 44089

I noticed something odd today when trying to send some CW. When I tuned the transmitter up on 40 meters I see that I was able to put out in excess of 150 watts when tuning up, but when I us the CW key the max output is a about 20 to 30 watts. Does any have a suggestion as to what might cause this? Thanks in advance since I usually forget to come back and thank people.

Kevin -KG0MN

44090. Re: [DrakeRadio] Question regarding a T4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-04-07 16:35:31 UTC
From: Steve Wedge
Topic: 44089 Message: 44090

Hi, Kevin,

130W in TUNE seems unusually high. That being said, it’s normal to need to increase the gain for full output on CW.

73,

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Apr 7, 2018, at 11:53, kg0mn@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I noticed something odd today when trying to send some CW. When I tuned the transmitter up on 40 meters I see that I was able to put out in excess of 150 watts when tuning up, but when I us the CW key the max output is a about 20 to 30 watts. Does any have a suggestion as to what might cause this? Thanks in advance since I usually forget to come back and thank people.
>
> Kevin -KG0MN
>
>

44091. Re: [DrakeRadio] Question regarding a T4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-04-07 18:32:13 UTC
From: Richard Knoppow
Topic: 44089 Message: 44091

First, has this just happened?
I agree with Steve, 150W is a bit high for Tune.
The gain may have to be increased from Tune to CW
The operating conditions for CW are slightly different from
other modes, three things happen one of which is not noted in the
instruction books:
1, Carrier oscillator is shifted to the passband of the lower
sideband filter.
2, The balanced modulator is biased to un-balance it and allow
the carrier through.
3, The screen voltage of the ouput tubes is changed by
introducing R-34 in series with the screen supply. See S1A Rear
on the schematic, near the output tubes and below T-7. This
switch also changes screen voltage on the driver tube for AM. S1
is the mode switch. Check the value of R-34.
Try tuning up in Tune then switch to CW and tune up again to
see if there is any difference.
What I am describing is from looking at a T4XB manual but the
C is nearly identical.
Note that AGC works only in SSB, not other modes.

On 4/7/2018 8:53 AM, kg0mn@... [DrakeRadio] wrote:
>
>
> I noticed something odd today when trying to send some CW. When I
> tuned the transmitter up on 40 meters I see that I was able to
> put out in excess of 150 watts when tuning up, but when I us the
> CW key the max output is a about 20 to 30 watts. Does any have a
> suggestion as to what might cause this?? Thanks in advance since
> I usually forget to come back and thank people.
>
> Kevin -KG0MN
>
>
> --
> Posted by: kg0mn@...
> --

44093. Voltage Reduction Transformer Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-07 22:32:28 UTC
From: Barry
Topic: 44093 Message: 44093

Hi all,

I purchased a transformer with multiple input taps (115V, 120V, 126V, and 132V) and two, separate 6.6V secondaries at 1.0A each (with one centertapped at 3.3V). My intent was to use one or both of the secondary windings in a bucking configuration; however, it occurred to me that I could also use the tapped input windings in an autotransfomer configuration and accomplish much the same thing.

Would one way or the other make more sense? I'm thinking the 1.0A secondaries as a bucking configuration would provide more power-handling but not sure about that.

Any suggestions?

Thanks,
Barry - N4BUQ

44094. Re: [DrakeRadio] Voltage Reduction Transformer Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-07 22:41:27 UTC
From: Richard Knoppow
Topic: 44093 Message: 44094

Power handling probably has more to do with the winding
resistance and heat dissipation. I would try it as an auto
transformer and see how it works. Just protect the secondary
connections to prevent shorting them.
6.6 is an odd voltage, filaments are usually 6.8 volts but
perhaps they were deliberately running them low.
Assuming they are 6.6 V the power level is 6.6 watts per
winding. If they were meant to be used at the same time the
primary is rated for double that or about 13 watts at 120V, not a
lot. I am not sure how to figure the load on the low voltage
secondaries if used for bucking.

On 4/7/2018 3:32 PM, Barry n4buq@... [DrakeRadio] wrote:
> Hi all,
>
> I purchased a transformer with multiple input taps (115V, 120V, 126V, and 132V) and two, separate 6.6V secondaries at 1.0A each (with one centertapped at 3.3V). My intent was to use one or both of the secondary windings in a bucking configuration; however, it occurred to me that I could also use the tapped input windings in an autotransfomer configuration and accomplish much the same thing.
>
> Would one way or the other make more sense? I'm thinking the 1.0A secondaries as a bucking configuration would provide more power-handling but not sure about that.
>
> Any suggestions?
>
> Thanks,
> Barry - N4BUQ
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44095. Re: [DrakeRadio] Voltage Reduction Transformer Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 00:31:24 UTC
From: Barry
Topic: 44093 Message: 44095

Actually, it appears I made a mistake! One of the 6.6V windings is rated at 10A. The lettering is spaced the same as the 1.0A and I didn't even notice there wasn't a decimal point there. It's a old GE 9T35Y181. I did a web search and saw them advertised on Surplus Sales of Nebraska and it was there I noticed the 10A rating which made me go back and look at the picture of mine so, cool! I was thinking this thing was rather hefty to ony have 1.0A secondaries.

I'd planned on using the other 6.6V (with 3.3V CT) to give me a range of output voltages, but I guess I'll stick to only having a single -6.6V bucking voltage capable of 10A. Most older radios (receivers) would still work with a 1.0A and I could configure it to have two outputs with fuses for both rated outputs. Maybe...

Anyone know what "F" and "S" on each end of each winding indicates? I don't recall seeing that before and don't know that it indicates.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Jeffrey Angus" <jdangus@...>
> To: "Richard Knoppow" <1oldlens1@...>, "Barry" <n4buq@...>
> Sent: Saturday, April 7, 2018 6:03:20 PM
> Subject: Re: [DrakeRadio] Voltage Reduction Transformer Question
>
> On 4/7/18 5:41 PM, Richard Knoppow wrote:
> > I am not sure how to figure the load on the low voltage
> > secondaries if used for bucking.
> Here'sï¿½ how a bucking transformer works:
> The primary of the bucking transformer is across the input line.
> The secondary is in series with the input line. Either to add or
> to subtract from the input line.
> The current rating of the (low voltage) bucking winding has to
> be the same or higher than the desired output current.
>
> An example, you have a Drake TR-4 and it draws 3.5 amps at
> 120 volts.
>
> Your input line (outlet) is 125 v.
>
> So you want a 5 volt winding capable of at least 3.5 amps.
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com

>
>

44096. Re: Info

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 01:00:04 UTC
From: dshuev@...
Topic: 44073 Message: 44096

I had a few messages that went into the vast space of the 'Net, never to be seen again... Mind you, some had pictures, and I suspect even though Yahoo doesn't seem to have a policy as to the maximum size of the attachment, there is a limit of some sort...

Also, one message got delivered in two sections - text and images in separate posts, which resulted in some confusion here :)

Dmitri
VA3VRE

44097. Re: [DrakeRadio] Voltage Reduction Transformer Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 04:28:04 UTC
From: Evan
Topic: 44093 Message: 44097

Just guessing, F means finish, S means start? Just a guess...

-----Original Message-----
From: Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio users group <drakeradio@yahoogroups.com>
Sent: Sat, Apr 7, 2018 8:31 pm
Subject: Re: [DrakeRadio] Voltage Reduction Transformer Question

Actually, it appears I made a mistake! One of the 6.6V windings is rated at 10A. The lettering is spaced the same as the 1.0A and I didn't even notice there wasn't a decimal point there. It's a old GE 9T35Y181. I did a web search and saw them advertised on Surplus Sales of Nebraska and it was there I noticed the 10A rating which made me go back and look at the picture of mine so, cool! I was thinking this thing was rather hefty to ony have 1.0A secondaries.

I'd planned on using the other 6.6V (with 3.3V CT) to give me a range of output voltages, but I guess I'll stick to only having a single -6.6V bucking voltage capable of 10A. Most older radios (receivers) would still work with a 1.0A and I could configure it to have two outputs with fuses for both rated outputs. Maybe...

Anyone know what "F" and "S" on each end of each winding indicates? I don't recall seeing that before and don't know that it indicates.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Jeffrey Angus" <jdangus@...>
> To: "Richard Knoppow" <1oldlens1@...>, "Barry" <n4buq@...>
> Sent: Saturday, April 7, 2018 6:03:20 PM
> Subject: Re: [DrakeRadio] Voltage Reduction Transformer Question
>
> On 4/7/18 5:41 PM, Richard Knoppow wrote:
> > I am not sure how to figure the load on the low voltage
> > secondaries if used for bucking.
> Here'sï¿½ how a bucking transformer works:
> The primary of the bucking transformer is across the input line.
> The secondary is in series with the input line. Either to add or
> to subtract from the input line.
> The current rating of the (low voltage) bucking winding has to
> be the same or higher than the desired output current.
>
> An example, you have a Drake TR-4 and it draws 3.5 amps at
> 120 volts.
>
> Your input line (outlet) is 125 v.

>
> So you want a 5 volt winding capable of at least 3.5 amps.
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>

44098. Re: [DrakeRadio] Voltage Reduction Transformer Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 07:22:26 UTC
From: wa2lbi@gmail.com
Topic: 44093 Message: 44098

Correct; S = winding start, F = winding finish - essentially the winding's "polarity". Necessary information for boosting, bucking and paralleling windings. Proper use prevents the loss of factory smoke!

KenWA2LBILG G6

------ Original message------From: Evan k9sqg@... [DrakeRadio]Date: Sun, Apr 8, 2018 00:28To: DrakeRadio@yahoogroups.com;n4buq@...;Cc: Subject:Re: [DrakeRadio] Voltage Reduction Transformer Question

Just guessing, F means finish, S means start? Just a guess...

-----Original Message-----

From: Barry n4buq@... [DrakeRadio] >

To: DrakeRadio users group >

Sent: Sat, Apr 7, 2018 8:31 pm

Subject: Re: [DrakeRadio] Voltage Reduction Transformer Question

Actually, it appears I made a mistake! One of the 6.6V windings is rated at 10A. The lettering is spaced the same as the 1.0A and I didn't even notice there wasn't a decimal point there. It's a old GE 9T35Y181. I did a web search and saw them advertised on Surplus Sales of Nebraska and it was there I noticed the 10A rating which made me go back and look at the picture of mine so, cool! I was thinking this thing was rather hefty to ony have 1.0A secondaries.

I'd planned on using the other 6.6V (with 3.3V CT) to give me a range of output voltages, but I guess I'll stick to only having a single -6.6V bucking voltage capable of 10A. Most older radios (receivers) would still work with a 1.0A and I could configure it to have two outputs with fuses for both rated outputs. Maybe...

Anyone know what "F" and "S" on each end of each winding indicates? I don't recall seeing that before and don't know that it indicates.

Thanks,

Barry - N4BUQ

----- Original Message -----

> From: "Jeffrey Angus" <jdangus@...>

> To: "Richard Knoppow" <1oldlens1@...>, "Barry" <n4buq@...>

> Sent: Saturday, April 7, 2018 6:03:20 PM

> Subject: Re: [DrakeRadio] Voltage Reduction Transformer Question

>

> On 4/7/18 5:41 PM, Richard Knoppow wrote:

> > I am not sure how to figure the load on the low voltage

> > secondaries if used for bucking.

> Here'sï¿½ how a bucking transformer works:

> The primary of the bucking transformer is across the input line.

> The secondary is in series with the input line. Either to add or

> to subtract from the input line.

> The current rating of the (low voltage) bucking winding has to

> be the same or higher than the desired output current.

>

> An example, you have a Drake TR-4 and it draws 3.5 amps at

> 120 volts.

>

> Your input line (outlet) is 125 v.

>

> So you want a 5 volt winding capable of at least 3.5 amps.

>

> --

> "I am a river to my people."

> Jeff-1.0

> WA6FWI

> www.foxsmercantile.com

>

>

#AOLMsgPart_2_4adf25ca-7fd2-4a48-99b9-cfce4c48fe80 td{color: black;} .aolReplacedBody #aolmail_ygrp-mkp { border: 1px solid #d8d8d8; font-family: Arial; margin: 10px 0; padding: 0 10px;}.aolReplacedBody #aolmail_ygrp-mkp hr { border: 1px solid #d8d8d8;}.aolReplacedBody #aolmail_ygrp-mkp #aolmail_hd { color: #628c2a; font-size: 85%; font-weight: 700; line-height: 122%; margin: 10px 0;}.aolReplacedBody #aolmail_ygrp-mkp

#aolmail_ads { margin-bottom: 10px;}.aolReplacedBody #aolmail_ygrp-mkp .aolmail_ad { padding: 0 0;}.aolReplacedBody #aolmail_ygrp-mkp .aolmail_ad p { margin: 0;}.aolReplacedBody #aolmail_ygrp-mkp .aolmail_ad a { color: #0000ff; text-decoration: none;} .aolReplacedBody #aolmail_ygrp-sponsor #aolmail_ygrp-lc { font-family: Arial;}.aolReplacedBody #aolmail_ygrp-sponsor #aolmail_ygrp-lc #aolmail_hd { margin: 10px 0px; font-weight: 700; font-size: 78%; line-height: 122%;}.aolReplacedBody #aolmail_ygrp-sponsor #aolmail_ygrp-lc .aolmail_ad { margin-bottom: 10px; padding: 0 0;} .aolReplacedBody #aolmail_actions { font-family: Verdana; font-size: 11px; padding: 10px 0; } .aolReplacedBody #aolmail_activity { background-color: #e0ecee; float: left; font-family: Verdana; font-size: 10px; padding: 10px; } .aolReplacedBody #aolmail_activity span { font-weight: 700; } .aolReplacedBody #aolmail_activity span:first-child { text-transform: uppercase; } .aolReplacedBody #aolmail_activity span a { color: #5085b6; text-decoration: none; } .aolReplacedBody #aolmail_activity span span { color: #ff7900; } .aolReplacedBody #aolmail_activity span .aolmail_underline { text-decoration: underline; } .aolReplacedBody .aolmail_attach { clear: both; display: table; font-family: Arial; font-size: 12px; padding: 10px 0; width: 400px; } .aolReplacedBody .aolmail_attach div a { text-decoration: none; } .aolReplacedBody .aolmail_attach img { border: none; padding-right: 5px; } .aolReplacedBody .aolmail_attach label { display: block; margin-bottom: 5px; } .aolReplacedBody .aolmail_attach label a { text-decoration: none; } .aolReplacedBody blockquote { margin: 0 0 0 4px; } .aolReplacedBody .aolmail_bold { font-family: Arial; font-size: 13px; font-weight: 700; } .aolReplacedBody .aolmail_bold a { text-decoration: none; } .aolReplacedBody dd.aolmail_last p a { font-family: Verdana; font-weight: 700; } .aolReplacedBody dd.aolmail_last p span { margin-right: 10px; font-family: Verdana; font-weight: 700; } .aolReplacedBody dd.aolmail_last p span.aolmail_yshortcuts { margin-right: 0; } .aolReplacedBody div.aolmail_attach-table div div a { text-decoration: none; } .aolReplacedBody div.aolmail_attach-table { width: 400px; } .aolReplacedBody div.aolmail_file-title a,.aolReplacedBody div.aolmail_file-title a:active,.aolReplacedBody div.aolmail_file-title a:hover,.aolReplacedBody div.aolmail_file-title a:visited { text-decoration: none; } .aolReplacedBody div.aolmail_photo-title a,.aolReplacedBody div.aolmail_photo-title a:active,.aolReplacedBody div.aolmail_photo-title a:hover,.aolReplacedBody div.aolmail_.aolmail_photo-title a:visited { text-decoration: none; } .aolReplacedBody div#aolmail_ygrp-mlmsg #aolmail_ygrp-msg p a span.aolmail_yshortcuts { font-family: Verdana; font-size: 10px; font-weight: normal; } .aolReplacedBody .aolmail_green { color: #628c2a; } .aolReplacedBody .aolmail_MsoNormal { margin: 0 0 0 0; } .aolReplacedBody o { font-size: 0; } .aolReplacedBody #aolmail_photos div { float: left; width: 72px; } .aolReplacedBody #aolmail_photos div div { border: 1px solid #666666; height: 62px; overflow: hidden; width: 62px; } .aolReplacedBody #aolmail_photos div label { color: #666666; font-size: 10px; overflow: hidden; text-align: center; white-space: nowrap; width: 64px; } .aolReplacedBody #aolmail_reco-category { font-size: 77%; } .aolReplacedBody #aolmail_reco-desc { font-size: 77%; } .aolReplacedBody .aolmail_replbq { margin: 4px; } .aolReplacedBody #aolmail_ygrp-actbar div a:first-child { margin-right: 2px; padding-right: 5px; } .aolReplacedBody #aolmail_ygrp-mlmsg { font-size: 13px; font-family: Arial, helvetica,clean, sans-serif; *font-size: small; *font: x-small; } .aolReplacedBody #aolmail_ygrp-mlmsg table { font-size: inherit; font: 100%; } .aolReplacedBody #aolmail_ygrp-mlmsg select,.aolReplacedBody input,.aolReplacedBody textarea { font: 99% Arial, Helvetica, clean, sans-serif; } .aolReplacedBody #aolmail_ygrp-mlmsg pre,.aolReplacedBody code { font:115% monospace; *font-size:100%; } .aolReplacedBody #aolmail_ygrp-mlmsg * { line-height: 1.22em; } .aolReplacedBody #aolmail_ygrp-mlmsg #aolmail_logo { padding-bottom: 10px; } .aolReplacedBody #aolmail_ygrp-msg p a { font-family: Verdana; } .aolReplacedBody #aolmail_ygrp-msg

p#aolmail_attach-count span { color: #1E66AE; font-weight: 700; } .aolReplacedBody #aolmail_ygrp-reco #aolmail_reco-head { color: #ff7900; font-weight: 700; } .aolReplacedBody #aolmail_ygrp-reco { margin-bottom: 20px; padding: 0px; } .aolReplacedBody #aolmail_ygrp-sponsor #aolmail_ov li a { font-size: 130%; text-decoration: none; } .aolReplacedBody #aolmail_ygrp-sponsor #aolmail_ov li { font-size: 77%; list-style-type: square; padding: 6px 0; } .aolReplacedBody #aolmail_ygrp-sponsor #aolmail_ov ul { margin: 0; padding: 0 0 0 8px; } .aolReplacedBody #aolmail_ygrp-text { font-family: Georgia; } .aolReplacedBody #aolmail_ygrp-text p { margin: 0 0 1em 0; } .aolReplacedBody #aolmail_ygrp-text tt { font-size: 120%; } .aolReplacedBody #aolmail_ygrp-vital ul li:last-child { border-right: none !important; }

44099. Re: [DrakeRadio] Voltage Reduction Transformer Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 14:01:57 UTC
From: Barry
Topic: 44093 Message: 44099

I thought it was an indication of the direction of the windings, but somehow Start and Finish just did not come to mind for S and F! Makese perfect sense now.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: wa2lbi@...
> To: "Evan k9sqg@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>, n4buq@...
> Sent: Sunday, April 8, 2018 2:22:26 AM
> Subject: Re: [DrakeRadio] Voltage Reduction Transformer Question
>
> Correct; S = winding start, F = winding finish - essentially the winding's
> "polarity". Necessary information for boosting, bucking and paralleling
> windings. Proper use prevents the loss of factory smoke!
>
> KenWA2LBILG G6
>
> ------ Original message------From: Evan k9sqg@... [DrakeRadio]Date: Sun,
> Apr 8, 2018 00:28To: DrakeRadio@yahoogroups.com;n4buq@knology.net;Cc:
> Subject:Re: [DrakeRadio] Voltage Reduction Transformer Question
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>
> Just guessing, F means finish, S means start? Just a guess...
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> -----Original Message-----
>
> From: Barry n4buq@... [DrakeRadio] >
>

> To: DrakeRadio users group >
>
> Sent: Sat, Apr 7, 2018 8:31 pm
>
> Subject: Re: [DrakeRadio] Voltage Reduction Transformer Question
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> Actually, it appears I made a mistake! One of the 6.6V windings is rated at
> 10A. The lettering is spaced the same as the 1.0A and I didn't even notice
> there wasn't a decimal point there. It's a old GE 9T35Y181. I did a web
> search and saw them advertised on Surplus Sales of Nebraska and it was there
> I noticed the 10A rating which made me go back and look at the picture of
> mine so, cool! I was thinking this thing was rather hefty to ony have 1.0A
> secondaries.
>
>
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>
>
> I'd planned on using the other 6.6V (with 3.3V CT) to give me a range of
> output voltages, but I guess I'll stick to only having a single -6.6V
> bucking voltage capable of 10A. Most older radios (receivers) would still
> work with a 1.0A and I could configure it to have two outputs with fuses for
> both rated outputs. Maybe...
>
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>
> Anyone know what "F" and "S" on each end of each winding indicates? I don't

> recall seeing that before and don't know that it indicates.
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>
> Thanks,
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>
> Barry - N4BUQ
>
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>
> ----- Original Message -----
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>
> > From: "Jeffrey Angus" <jdangus@...>
>
>
> > To: "Richard Knoppow" <1oldlens1@...>, "Barry"
> > <n4buq@...>
>
>
> > Sent: Saturday, April 7, 2018 6:03:20 PM
>
>
> > Subject: Re: [DrakeRadio] Voltage Reduction Transformer Question
>
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> >
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>
>
> > On 4/7/18 5:41 PM, Richard Knoppow wrote:
>
>
> > > I am not sure how to figure the load on the low voltage
>
>
> > > secondaries if used for bucking.
>
>
> > Here'sï¿½ how a bucking transformer works:
>
>
> > The primary of the bucking transformer is across the input line.
>
>
> > The secondary is in series with the input line. Either to add or

>
>
> > to subtract from the input line.
>
>
> > The current rating of the (low voltage) bucking winding has to
>
>
> > be the same or higher than the desired output current.
>
>
> >
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>
> > An example, you have a Drake TR-4 and it draws 3.5 amps at
>
>
> > 120 volts.
>
>
> >
>
>
> > Your input line (outlet) is 125 v.
>
>
> >
>
>
> > So you want a 5 volt winding capable of at least 3.5 amps.
>
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> > --
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>
> > "I am a river to my people."
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> > Jeff-1.0
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> > WA6FWI
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> > www.foxsmercantile.com
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> #AOLMsgPart_2_4adf25ca-7fd2-4a48-99b9-cfce4c48fe80 td{color: black;}
> .aolReplacedBody #aolmail_ygrp-mkp { border: 1px solid #d8d8d8;
> font-family: Arial; margin: 10px 0; padding: 0 10px;}.aolReplacedBody
> #aolmail_ygrp-mkp hr { border: 1px solid #d8d8d8;}.aolReplacedBody
> #aolmail_ygrp-mkp #aolmail_hd { color: #628c2a; font-size: 85%;
> font-weight: 700; line-height: 122%; margin: 10px 0;}.aolReplacedBody
> #aolmail_ygrp-mkp #aolmail_ads { margin-bottom: 10px;}.aolReplacedBody
> #aolmail_ygrp-mkp .aolmail_ad { padding: 0 0;}.aolReplacedBody
> #aolmail_ygrp-mkp .aolmail_ad p { margin: 0;}.aolReplacedBody
> #aolmail_ygrp-mkp .aolmail_ad a { color: #0000ff; text-decoration:
> none;} .aolReplacedBody #aolmail_ygrp-sponsor #aolmail_ygrp-lc {
> font-family: Arial;}.aolReplacedBody #aolmail_ygrp-sponsor
> #aolmail_ygrp-lc #aolmail_hd { margin: 10px 0px; font-weight: 700;
> font-size: 78%; line-height: 122%;}.aolReplacedBody
> #aolmail_ygrp-sponsor #aolmail_ygrp-lc .aolmail_ad { margin-bottom: 10px;
> padding: 0 0;} .aolReplacedBody #aolmail_actions { font-family:
> Verdana; font-size: 11px; padding: 10px 0; } .aolReplacedBody
> #aolmail_activity { background-color: #e0ecee; float: left;
> font-family: Verdana; font-size: 10px; padding: 10px; }
> .aolReplacedBody #aolmail_activity span { font-weight: 700; }
> .aolReplacedBody #aolmail_activity span:first-child { text-transform:
> uppercase; } .aolReplacedBody #aolmail_activity span a { color:
> #5085b6; text-decoration: none; } .aolReplacedBody #aolmail_activity
> span span { color: #ff7900; } .aolReplacedBody #aolmail_activity span
> .aolmail_underline { text-decoration: underline; } .aolReplacedBody
> .aolmail_attach { clear: both; display: table; font-family:
> Arial; font-size: 12px; padding: 10px 0; width: 400px; }

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> .aolReplacedBody .aolmail_attach div a { text-decoration: none; }
> .aolReplacedBody .aolmail_attach img { border: none; padding-right:
> 5px; } .aolReplacedBody .aolmail_attach label { display: block;
> margin-bottom: 5px; } .aolReplacedBody .aolmail_attach label a {
> text-decoration: none; } .aolReplacedBody blockquote { margin: 0
> 0 0 4px; } .aolReplacedBody .aolmail_bold { font-family: Arial;
> font-size: 13px; font-weight: 700; } .aolReplacedBody
> .aolmail_bold a { text-decoration: none; } .aolReplacedBody
> dd.aolmail_last p a { font-family: Verdana; font-weight: 700; }
> .aolReplacedBody dd.aolmail_last p span { margin-right: 10px;
> font-family: Verdana; font-weight: 700; } .aolReplacedBody
> dd.aolmail_last p span.aolmail_yshortcuts { margin-right: 0; }
> .aolReplacedBody div.aolmail_attach-table div div a { text-decoration:
> none; } .aolReplacedBody div.aolmail_attach-table { width: 400px; }
> .aolReplacedBody div.aolmail_file-title a,.aolReplacedBody
> div.aolmail_file-title a:active,.aolReplacedBody div.aolmail_file-title
> a:hover,.aolReplacedBody div.aolmail_file-title a:visited {
> text-decoration: none; } .aolReplacedBody div.aolmail_photo-title
> a,.aolReplacedBody div.aolmail_photo-title a:active,.aolReplacedBody
> div.aolmail_photo-title a:hover,.aolReplacedBody
> div.aolmail_.aolmail_photo-title a:visited { text-decoration: none; }
> .aolReplacedBody div#aolmail_ygrp-mlmsg #aolmail_ygrp-msg p a
> span.aolmail_yshortcuts { font-family: Verdana; font-size: 10px;
> font-weight: normal; } .aolReplacedBody .aolmail_green { color:
> #628c2a; } .aolReplacedBody .aolmail_MsoNormal { margin: 0 0 0 0; }
> .aolReplacedBody o { font-size: 0; } .aolReplacedBody
> #aolmail_photos div { float: left; width: 72px; } .aolReplacedBody
> #aolmail_photos div div { border: 1px solid #666666; height: 62px;
> overflow: hidden; width: 62px; } .aolReplacedBody #aolmail_photos
> div label { color: #666666; font-size: 10px; overflow: hidden;
> text-align: center; white-space: nowrap; width: 64px; }
> .aolReplacedBody #aolmail_reco-category { font-size: 77%; }
> .aolReplacedBody #aolmail_reco-desc { font-size: 77%; }
> .aolReplacedBody .aolmail_replbq { margin: 4px; } .aolReplacedBody
> #aolmail_ygrp-actbar div a:first-child { margin-right: 2px;
> padding-right: 5px; } .aolReplacedBody #aolmail_ygrp-mlmsg {
> font-size: 13px; font-family: Arial, helvetica,clean, sans-serif;
> *font-size: small; *font: x-small; } .aolReplacedBody
> #aolmail_ygrp-mlmsg table { font-size: inherit; font: 100%; }
> .aolReplacedBody #aolmail_ygrp-mlmsg select,.aolReplacedBody
> input,.aolReplacedBody textarea { font: 99% Arial, Helvetica, clean,
> sans-serif; } .aolReplacedBody #aolmail_ygrp-mlmsg pre,.aolReplacedBody
> code { font:115% monospace; *font-size:100%; } .aolReplacedBody
> #aolmail_ygrp-mlmsg * { line-height: 1.22em; } .aolReplacedBody
> #aolmail_ygrp-mlmsg #aolmail_logo { padding-bottom: 10px; }
> .aolReplacedBody #aolmail_ygrp-msg p a { font-family: Verdana; }
> .aolReplacedBody #aolmail_ygrp-msg p#aolmail_attach-count span {
> color: #1E66AE; font-weight: 700; } .aolReplacedBody
> #aolmail_ygrp-reco #aolmail_reco-head { color: #ff7900; font-weight:
> 700; } .aolReplacedBody #aolmail_ygrp-reco { margin-bottom: 20px;
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> padding: 0px; } .aolReplacedBody #aolmail_ygrp-sponsor #aolmail_ov li
> a { font-size: 130%; text-decoration: none; } .aolReplacedBody
> #aolmail_ygrp-sponsor #aolmail_ov li { font-size: 77%;
> list-style-type: square; padding: 6px 0; } .aolReplacedBody
> #aolmail_ygrp-sponsor #aolmail_ov ul { margin: 0; padding: 0 0 0
> 8px; } .aolReplacedBody #aolmail_ygrp-text { font-family: Georgia; }
> .aolReplacedBody #aolmail_ygrp-text p { margin: 0 0 1em 0; }
> .aolReplacedBody #aolmail_ygrp-text tt { font-size: 120%; }
> .aolReplacedBody #aolmail_ygrp-vital ul li:last-child { border-right:
> none !important; }
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44100. R4C ANTENNA, RF, AND INJECTION ALIGNMENT.

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 14:12:13 UTC
From: n9ru@...
Topic: 44100 Message: 44100

The manual states to do the rf alignment, I need to hook 10k resistors to the green colored rotor contacts on S1D and S1E.
My switch doesn’t have any green colored contacts. Could someone tell me which contacts the manual is referring to?
Thanks
Tom
N9RU

44101. Signal Generator Recommendations Wanted

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 15:08:05 UTC
From: tom.hellem@...
Topic: 44101 Message: 44101

Hi Folks-
Thinking about investing in a signal generator for purpose of doing alignment on my B-line. A quick check on Ebay turns up dozens, ranging in price from $50 to several hundred. Can anybody point me in the right direction? Naturally I don't want to spend more than necessary, nor do I want to end up with something that will not do the job.

Any input appreciated.

Tom
K0SN

44102. Re: [DrakeRadio] Signal Generator Recommendations Wanted

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 15:15:12 UTC
From: Curt Nixon
Topic: 44101 Message: 44102

I like my old HP-606 but it is big...the size of a R-390. THe little AN UR25 is a great little generator. Both of these can be had for under 100

Curt KU8L

On 4/8/2018 11:08 AM, tom.hellem@... [DrakeRadio] wrote:

Hi Folks-

Thinking about investing in a signal generator for purpose of doing alignment on my B-line.

A quick check on Ebay turns up dozens, ranging in price from $50 to several hundred.

Can anybody point me in the right direction? Naturally I don't want to spend more than necessary, nor do I want to end up with something that will not do the job.

Any input appreciated.

Tom

K0SN

(https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=icon)

Virus-free. www.avast.com (https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=link)

44103. Re: [DrakeRadio] Signal Generator Recommendations Wanted

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 15:20:20 UTC
From: Jeffrey Angus
Topic: 44101 Message: 44103

On 4/8/18 10:08 AM, tom.hellem@... [DrakeRadio] wrote:
> Can anybody point me in the right direction?
This is what I use. An HP 3325B.
<https://skye-electronics.com/wp-content/uploads/2016/07/HP-3325B-Web.jpg>
Almost DC to 20 MHz, 40 MHz if you use the rear panel output.
Most importantly, the accurate sweep.
And KNOWN output levels.
Although I would suggest using an enumerator to get it below -50
dBm.

Several people will mention the HP 8640, but it doesn't go below
512 KHz.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44104. Re: [DrakeRadio] Signal Generator Recommendations Wanted

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 15:53:17 UTC
From: Kc9cdt@...
Topic: 44101 Message: 44104

8640B...terrific

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: tom.hellem@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Sun, Apr 8, 2018 11:08 am
Subject: [DrakeRadio] Signal Generator Recommendations Wanted

Hi Folks-
Thinking about investing in a signal generator for purpose of doing alignment on my B-line.
A quick check on Ebay turns up dozens, ranging in price from $50 to several hundred.
Can anybody point me in the right direction? Naturally I don't want to spend more than necessary, nor do I want to end up with something that will not do the job.

Any input appreciated.

Tom
K0SN

44105. Re: [DrakeRadio] Signal Generator Recommendations Wanted

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 16:01:25 UTC
From: Robb Urie
Topic: 44101 Message: 44105

Tom,

My recommendation is the Elecraft XG3, $239 and will meet all of your needs. Sure, you can find some boat anchor sig gen of questionable accuracy, but I find that my XG3 works very well for all of my bench work. I have a URM-25 but one day it will fail to function properly and then out to the shed it goes. I have compared the output level and frequency accuracy of the XG3 to calibrated test equipment that I use in my line of work and it exceeded the published specs.

You can download the manual from Elecraft to review it’s functions.

Good luck.

Robb NØRU

From: mailto:DrakeRadio@yahoogroups.com
Sent: Sunday, April 08, 2018 9:08 AM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Signal Generator Recommendations Wanted

Hi Folks-

Thinking about investing in a signal generator for purpose of doing alignment on my B-line.

A quick check on Ebay turns up dozens, ranging in price from $50 to several hundred.

Can anybody point me in the right direction? Naturally I don't want to spend more than necessary, nor do I want to end up with something that will not do the job.

Any input appreciated.

Tom

K0SN

44106. Re: [DrakeRadio] Signal Generator Recommendations Wanted

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 16:37:48 UTC
From: Paul Kraemer
Topic: 44101 Message: 44106

Tom
I have found URM25 handy for a long time. They do the job, and don’t take up a lot of space. HP 8640 is nice instrument but does not go anywhere near low enough frequency and they are above the pay grade of most folks if / when they need repair plus they weigh a bunch and take up much space. Another nice find (if you can actually find one) is Logimetrics 925. Covers 50khz to 80 mhz, is true lab instrument and takes up almost as much space as HP 8640 but much easier to service and more versatile for hams than HP 8640. Looking inside the Logimetrics and the drawings it was obviously done by ex HP engineers. If you use the URM 25 you will need to connect a counter to it but you probably want one of those around too if you are doing any service work.
Paul K0UYA

From: mailto:DrakeRadio@...m
Sent: Sunday, April 08, 2018 10:08 AM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Signal Generator Recommendations Wanted

Hi Folks-

Thinking about investing in a signal generator for purpose of doing alignment on my B-line.

A quick check on Ebay turns up dozens, ranging in price from $50 to several hundred.

Can anybody point me in the right direction? Naturally I don't want to spend more than necessary, nor do I want to end up with something that will not do the job.

Any input appreciated.

Tom

K0SN

44107. Re: [DrakeRadio] Signal Generator Recommendations Wanted

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 17:37:14 UTC
From: Kc9cdt@...
Topic: 44101 Message: 44107

Does the URM 25 have accuratly calibrated output levels?
Oh, yes if you get a 8640b...you may need the down converter HP sold, forgot the number, but I use one.

73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: 'Paul Kraemer' elespe@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; tom.hellem <tom.hellem@...>
Sent: Sun, Apr 8, 2018 12:38 pm
Subject: Re: [DrakeRadio] Signal Generator Recommendations Wanted

Tom
I have found URM25 handy for a long time. They do the job, and don’t take up a lot of space. HP 8640 is nice instrument but does not go anywhere near low enough frequency and they are above the pay grade of most folks if / when they need repair plus they weigh a bunch and take up much space. Another nice find (if you can actually find one) is Logimetrics 925. Covers 50khz to 80 mhz, is true lab instrument and takes up almost as much space as HP 8640 but much easier to service and more versatile for hams than HP 8640. Looking inside the Logimetrics and the drawings it was obviously done by ex HP engineers. If you use the URM 25 you will need to connect a counter to it but you probably want one of those around too if you are doing any service work.
Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com
Sent: Sunday, April 08, 2018 10:08 AM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Signal Generator Recommendations Wanted

Hi Folks-
Thinking about investing in a signal generator for purpose of doing alignment on my B-line. A quick check on Ebay turns up dozens, ranging in price from $50 to several hundred. Can anybody point me in the right direction? Naturally I don't want to spend more than necessary, nor do I want to end up with something that will not do the job.

Any input appreciated.

Tom
K0SN

44108. Re: [DrakeRadio] Signal Generator Recommendations Wanted

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 17:55:13 UTC
From: Barry
Topic: 44101 Message: 44108

That would be the HP11710A/B. I finally just got an 11710B. Unfortunately, those are almost as expensive as the 8640B as they're a bit harder to find.

Thanks,
Barry - N4BUQ

> Does the URM 25 have accuratly calibrated output levels?
> Oh, yes if you get a 8640b...you may need the down converter HP sold, forgot
> the number, but I use one.
>
> 73,
> Lee

44109. T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 18:35:15 UTC
From: Rory
Topic: 606 Message: 44109

I just noticed that on the front panel there is a little 0 or O on the front panel just above the R,L Drake name, does anybody know what it's for?

N6OIL- Rory

44110. Re: [DrakeRadio] T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 18:42:50 UTC
From: Barry
Topic: 606 Message: 44110

It's where the mic plug was on the T-4X. I think it may even align with a hole in the chassis on the B and/or C models so you could drill and mount a front mic plug if you so desired.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Rory n6oil@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Sunday, April 8, 2018 1:35:15 PM
> Subject: [DrakeRadio] T-4XC
>
> I just noticed that on the front panel there is a little 0 or O on the
> front panel just above the R,L Drake name, does anybody know what it's for?
>
> N6OIL- Rory
>

44111. Re: [DrakeRadio] R4C ANTENNA, RF, AND INJECTION ALIGNMENT.

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 18:52:25 UTC
From: Richard Knoppow
Topic: 44100 Message: 44111

Double check me but I think both connections are to the
rotors. I also had to trace them because the terminals in my T4B
are also not marked or the markings wore off. The location the
resistors go to also takes some study to find but the description
does make sense. The load resistors DO make a difference and
should be used. The load used for the 50Khz adjustment is to
connect the calibrator to use it as a signal source plus a
resistor across the antenna terminal to reduce the level. The
same trick can be used if you use the calibrator for the RF
adjustments, a resistor across the antenna terminals will reduce
the level of the calibrator and can make adjustment easier.

On 4/8/2018 7:12 AM, n9ru@... [DrakeRadio] wrote:
>
>
> The manual states to do the rf alignment, I need to hook 10k
> resistors to the green colored rotor contacts on S1D and S1E.
>
> My switch doesn?t have any green colored contacts. ?Could someone
> tell me which contacts the manual is referring to?
>
> Thanks
>
> Tom
>
> N9RU
1oldlens1@...
WB6KBL

44112. Re: [DrakeRadio] T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 18:54:24 UTC
From: Richard Knoppow
Topic: 606 Message: 44112

Left over "blank" for a headphone jack.

On 4/8/2018 11:35 AM, Rory n6oil@... [DrakeRadio] wrote:
>
>
> I just noticed that on the front panel there is a little 0 or O
> on the front panel just above the R,L Drake name, does anybody
> know what it's for?
>
> N6OIL- Rory
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44113. Re: [DrakeRadio] Signal Generator Recommendations Wanted

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 19:01:24 UTC
From: Richard Knoppow
Topic: 44101 Message: 44113

The 606A/B goes down to 50Khz and up to 65Mhz. The B is
somewhat better with less incidental FM to the AM. You need a
counter anyway because the calibration is not precise enough for
some purposes. I don't know what they go for now. I worked on
these things at -hp- a million years ago. You need a special
extra long Allen wrench to remove some of the screws that hold
the shield over the RF compartment. They are held by a pair of
fahnstock clips on the shield and are nearly always missing. I
got one from a fellow who makes them, someone on the Agilent/HP
list will know or perhaps a google search will find it.
I don't know much about the military generators or the newer
solid state ones. The ancient tube generators have less phase
noise than modern digital ones. Of no consequence for tuning an R4.

On 4/8/2018 9:37 AM, 'Paul Kraemer' elespe@... [DrakeRadio]
wrote:
>
>
> Tom
> I have found URM25 handy for a long time.? They do the job, and
> don?t take up a lot of space.? HP 8640 is nice instrument but
> does not go anywhere near low enough frequency and they are above
> the pay grade of most folks if / when they need repair plus they
> weigh a bunch and take up much space.? Another nice find (if you
> can actually find one) is Logimetrics 925.? Covers 50khz to 80
> mhz, is true lab instrument and takes up almost as much space as
> HP 8640 but much easier to service and more versatile for hams
> than HP 8640.? Looking inside the Logimetrics and the drawings it
> was obviously done by ex HP engineers.
> If you use the URM 25 you will need to connect a counter to it
> but you probably want one of those around too if you are doing
> any service work.
> Paul K0UYA
> *From:* mailto:DrakeRadio@yahoogroups.com
> *Sent:* Sunday, April 08, 2018 10:08 AM
> *To:* DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>
> *Subject:* [DrakeRadio] Signal Generator Recommendations Wanted
>
>
> Hi Folks-
>
> Thinking about investing in a signal generator for purpose of
> doing alignment on my B-line.
>
> A quick check on Ebay turns up dozens, ranging in price from $50

> to several hundred.
>
> Can anybody point me in the right direction? Naturally I don't
> want to spend more than necessary, nor do I want to end up with
> something that will not do the job.
>
> Any input appreciated.
>
> Tom
>
> K0SN
>
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44114. Re: [DrakeRadio] T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 19:56:48 UTC
From: amfone
Topic: 606 Message: 44114

I always wondered what the little o was for or better yet why is it there?
TimWB8UHZ

On Sunday, April 8, 2018, 2:54:36 PM EDT, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

    Left over "blank" for a headphone jack.

On 4/8/2018 11:35 AM, Rory n6oil@... [DrakeRadio] wrote:
>
>
> I just noticed that on the front panel there is a little 0 or O
> on the front panel just above the R,L Drake name, does anybody
> know what it's for?
>
> N6OIL- Rory
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

44115. Re: Signal Generator Recommendations Wanted

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 20:54:41 UTC
From: Kevin Elliott
Topic: 44101 Message: 44115

Personally I have had very good luck with my B&K 200D signal generator. I found a mint condition one on Ebay for $110.00 and it is spot on as far as as accuracy.
Kevin - KG0MN

44116. Re: [DrakeRadio] T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 22:19:17 UTC
From: amfone
Topic: 606 Message: 44116

Thanks Richard.
TimWB8UHZ

On Sunday, April 8, 2018, 4:24:03 PM EDT, Richard Knoppow <1oldlens1@...> wrote:

    If you look at the earlier models you will see the headphone
jack on the front panel. I think it was found not to be a
convenient location or perhaps interferred too much with other
wiring. It would require reaching around the plug for some
controls. Like many manufacturers Drake punched the same panel
for several models. I am not sure why the mark it there, perhaps
as a locator for punching the hole. Have a look at Hallicrafters
to see how very similar front panels were used on three or four
models with slight changes in where and how many control holes
were punched.

On 4/8/2018 12:56 PM, amfone amfone20000@... [DrakeRadio]
wrote:
>
>
> I always wondered what the little o was for or better yet why is
> it there?
>
> Tim
> WB8UHZ
>
--
Richard Knoppow
1oldlens1@...
WB6KBL

44117. Re: [DrakeRadio] Signal Generator Recommendations Wanted

Yahoo group: DrakeRadio (2018)
Date: 2018-04-08 23:24:32 UTC
From: Curt Nixon
Topic: 44101 Message: 44117

Yep. it does. It isn't quite as RF tight as the HP 606 but its a 25-50 dollar unit. Not sure what you need sweep output for unless you have a spec analyzer or a good long persistence scope. I don't use the 25 when working on a modern rig but for all my boat anchors, it is really all that is needed. It is almost easier to do IF and filter alignments using a noise source and spec analyzer but if all you have is a scope and VTVM, then the 25 or 606 is in the right tier of instrumentation.

Curt

On 4/8/2018 1:37 PM, Kc9cdt@... [DrakeRadio] wrote:

Does the URM 25 have accuratly calibrated output levels?

Oh, yes if you get a 8640b...you may need the down converter HP sold, forgot the number, but I use one.

73,

Lee

Lee Simmonds

Summit DCS

260-403-6936 Cell

-----Original Message-----
From: 'Paul Kraemer' elespe@... [DrakeRadio]
To: DrakeRadio ; tom.hellem
Sent: Sun, Apr 8, 2018 12:38 pm
Subject: Re: [DrakeRadio] Signal Generator Recommendations Wanted

Tom

I have found URM25 handy for a long time. They do the job, and don’t take up a lot of space. HP 8640 is nice instrument but does not go anywhere near low enough frequency and they are above the pay grade of most folks if / when they need repair plus they weigh a bunch and take up much space. Another nice find (if you can actually find one) is Logimetrics 925. Covers 50khz to 80 mhz, is true lab instrument and takes up almost as much space as HP 8640 but much easier to service and more versatile for hams than HP 8640. Looking inside the Logimetrics and the drawings it was obviously done by ex HP engineers.

If you use the URM 25 you will need to connect a counter to it but you probably want one of those around too if you are doing any service work.

Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com

Sent: Sunday, April 08, 2018 10:08 AM

To: DrakeRadio@yahoogroups.com

Subject: [DrakeRadio] Signal Generator Recommendations Wanted

Hi Folks-

Thinking about investing in a signal generator for purpose of doing alignment on my B-line.

A quick check on Ebay turns up dozens, ranging in price from $50 to several hundred.

Can anybody point me in the right direction? Naturally I don't want to spend more than necessary, nor do I want to end up with something that will not do the job.

Any input appreciated.

Tom

K0SN

(https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=icon)

Virus-free. www.avast.com (https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=link)

44118. Re: [DrakeRadio] Signal Generator Recommendations Wanted

Yahoo group: DrakeRadio (2018)
Date: 2018-04-09 00:02:08 UTC
From: Steve Wedge
Topic: 44101 Message: 44118

Tom, If you have a step attenuator, any of a number of new, Chinese-made generators will do this for you for $150 and they weigh less than a pound.

In the boat anchor category, the HP 606A is king, with the AN URM-25 series following up.

Newer HP, Tektronix and other 1970's-present categories will also fill the bill.

I sold off my AN URM-25/D and /F and went with one of the Chinese generators. It works very well, can also sweep and goes to 60 MHz. I saved a ton of space on my bench but I have limited space. I owned a 606A for years and loved it to death.

Also, Elecraft makes a generator for doing alignments for about $175, IIRC.

73,

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Apr 8, 2018 at 11:08 AM, tom.hellem@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Hi Folks-
>
> Thinking about investing in a signal generator for purpose of doing
> alignment on my B-line.
>
> A quick check on Ebay turns up dozens, ranging in price from $50 to
> several hundred.
>
> Can anybody point me in the right direction? Naturally I don't want to
> spend more than necessary, nor do I want to end up with something that will
> not do the job.
>
>
> Any input appreciated.
>
>
> Tom
>
> K0SN
>

>
>
>

44119. Re: [DrakeRadio] T-4XC

Yahoo group: DrakeRadio (2018)
Date: 2018-04-09 00:05:15 UTC
From: Steve Wedge
Topic: 606 Message: 44119

It does, indeed, align with the hole in the chassis. You could drill it out and install a jack of your choosing.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Apr 8, 2018 at 6:19 PM, amfone amfone20000@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Thanks Richard.
>
> Tim
> WB8UHZ
>
>
> On Sunday, April 8, 2018, 4:24:03 PM EDT, Richard Knoppow <
> 1oldlens1@...> wrote:
>
>
> If you look at the earlier models you will see the headphone
> jack on the front panel. I think it was found not to be a
> convenient location or perhaps interferred too much with other
> wiring. It would require reaching around the plug for some
> controls. Like many manufacturers Drake punched the same panel
> for several models. I am not sure why the mark it there, perhaps
> as a locator for punching the hole. Have a look at Hallicrafters
> to see how very similar front panels were used on three or four
> models with slight changes in where and how many control holes
> were punched.
>
> On 4/8/2018 12:56 PM, amfone amfone20000@... [DrakeRadio]
> wrote:
> >
> >
> > I always wondered what the little o was for or better yet why is
> > it there?
> >
> > Tim
> > WB8UHZ
> >
> > --
> Richard Knoppow
> 1oldlens1@ix.netcom.com

> WB6KBL
>
>
>

44120. FS: Atlas DD6C display/counter

Yahoo group: DrakeRadio (2018)
Date: 2018-04-09 01:01:06 UTC
From: paulz67@...
Topic: 44120 Message: 44120

I have for sale an Atlas DD6C digital display/32 MHz frequency counter. I'm posting here first before offering it on the Atlas lists.

While not a typical or official Drake accessory, the documentation sheets (copy included) say that with the proper selection of internal jumpers, it could be used with 4-line radios (5645 kHz IF) as well as Swans and other rigs with a 5.5-ish MHz IF. It'll be plug-n-play with Atlas rigs (obviously), and will require minor effort to adapt to the rest, including the R4s. Display reads to 100 Hz.

Condition: Clean cosmetically with minor blemishes typical of the vintage, and will fit the proper look and era of the 4-Line. Electrically, only issue noted was some dots missing on the x1 MHz LED segment. Display was reasonably accurate on my old 210x, and the frequency counter part was in the ballpark (not a high-precision frequency counter) last time I checked, before breaking down and buying a bench counter for a different project.

$80 + postage in CONUS. Email directly, please.

Thanks and 73,
Paul

KA0JQF

44121. Silver Mica Capacitors to add 160 M to Drake 2-B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-09 15:23:16 UTC
From: k6ctw@...
Topic: 44121 Message: 44121

Was getting ready to add 160 meters to my 2-B. Have the crystal so went to the usual spots (Digikey, Newark, Mouser) to find the 1330 and 1390 pF silver mica caps. None were located. Any ideas where to look?
Thanks in advance.

Replies off line are also fine to k6ctw at earthlink dot net

44122. Re: [DrakeRadio] Silver Mica Capacitors to add 160 M to Drake 2-B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-09 15:31:12 UTC
From: Curt Nixon
Topic: 44121 Message: 44122

Antique Electronic Supply in Tuscon is FAST and has a good selection of
caps but those seem like odd values.
Got stuff from them in 2 days from AZ to MI.

Curt KU8L

On 04/09/18 11:23 AM, k6ctw@... [DrakeRadio] wrote:
>
> Was getting ready to add 160 meters to my 2-B. Have the crystal so
> went to the usual spots (Digikey, Newark, Mouser) to find the 1330 and
> 1390 pF silver mica caps. None were located. Any ideas where to look?
>
> Thanks in advance.
>
>
> Replies off line are also fine to k6ctw at earthlink dot net
>
>

44123. Re: [DrakeRadio] Silver Mica Capacitors to add 160 M to Drake 2-B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-09 15:53:25 UTC
From: Barry
Topic: 44121 Message: 44123

Would two caps in parallel work electrically as well as a single cap in this application? If so, that would help in finding rather common values.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Curt Nixon captcurt@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com, k6ctw@...
> Sent: Monday, April 9, 2018 10:31:12 AM
> Subject: Re: [DrakeRadio] Silver Mica Capacitors to add 160 M to Drake 2-B
>
> Antique Electronic Supply in Tuscon is FAST and has a good selection of
> caps but those seem like odd values.
> Got stuff from them in 2 days from AZ to MI.
>
> Curt KU8L
>
> On 04/09/18 11:23 AM, k6ctw@earthlink.net [DrakeRadio] wrote:
> >
> > Was getting ready to add 160 meters to my 2-B. Have the crystal so
> > went to the usual spots (Digikey, Newark, Mouser) to find the 1330 and
> > 1390 pF silver mica caps. None were located. Any ideas where to look?
> >
> > Thanks in advance.
> >
> >
> > Replies off line are also fine to k6ctw at earthlink dot net
> >
> >
>
>

44124. Re: [DrakeRadio] Silver Mica Capacitors to add 160 M to Drake 2-B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-09 16:22:37 UTC
From: Michael Cooley
Topic: 44121 Message: 44124

Hi Barry,
Yes, silver mica caps can be paralleled like any other if that's helpful in getting to the correct value.
A good substitute for silver mica caps are "Class 1 Ceramic Capacitors" which are also available in low values, maintain that value through a wide temperature range and are inexpensive. Most "disc" style ceramics are the Type 1 version. Type 2's are usually found in surface mount packages. They should be easy to find at Digi-Key, Mouser, Allied or most any good supply house.
Hope this helps...
MikeW7KWQ
On Monday, April 9, 2018, 8:53:32 AM PDT, Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Would two caps in parallel work electrically as well as a single cap in this application? If so, that would help in finding rather common values.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Curt Nixon captcurt@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com, k6ctw@...
> Sent: Monday, April 9, 2018 10:31:12 AM
> Subject: Re: [DrakeRadio] Silver Mica Capacitors to add 160 M to Drake 2-B
>
> Antique Electronic Supply in Tuscon is FAST and has a good selection of
> caps but those seem like odd values.
> Got stuff from them in 2 days from AZ to MI.
>
> Curt KU8L
>
> On 04/09/18 11:23 AM, k6ctw@... [DrakeRadio] wrote:
> >
> > Was getting ready to add 160 meters to my 2-B. Have the crystal so
> > went to the usual spots (Digikey, Newark, Mouser) to find the 1330 and
> > 1390 pF silver mica caps. None were located. Any ideas where to look?
> >
> > Thanks in advance.
> >
> >
> > Replies off line are also fine to k6ctw at earthlink dot net
> >
> >
>
>

44125. Re: [DrakeRadio] Silver Mica Capacitors to add 160 M to Drake 2-B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-09 17:22:09 UTC
From: Richard Knoppow
Topic: 44121 Message: 44125

Yes. For odd values that is necessary. Some caps were made on
special order.

On 4/9/2018 8:53 AM, Barry n4buq@... [DrakeRadio] wrote:
> Would two caps in parallel work electrically as well as a single cap in this application? If so, that would help in finding rather common values.
>
> Thanks,
> Barry - N4BUQ
>
> ----- Original Message -----
>> From: "Curt Nixon captcurt@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
>> To: DrakeRadio@yahoogroups.com, k6ctw@...
>> Sent: Monday, April 9, 2018 10:31:12 AM
>> Subject: Re: [DrakeRadio] Silver Mica Capacitors to add 160 M to Drake 2-B
>>
>> Antique Electronic Supply in Tuscon is FAST and has a good selection of
>> caps but those seem like odd values.
>> Got stuff from them in 2 days from AZ to MI.
>>
>> Curt? KU8L
>>
>> On 04/09/18 11:23 AM, k6ctw@... [DrakeRadio] wrote:
>>>
>>> Was getting ready to add 160 meters to my 2-B. Have the crystal so
>>> went to the usual spots (Digikey, Newark, Mouser)?to find the 1330 and
>>> 1390 pF silver mica caps.? None were located.? Any ideas where to look?
>>>
>
--
Richard Knoppow
1oldlens1@...
WB6KBL

44126. Re: Silver Mica Capacitors to add 160 M to Drake 2-B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-09 17:46:11 UTC
From: jonizornes@...
Topic: 44121 Message: 44126

Here are 1100 pf caps. They also have 1000 pf.
http://www.electronicsurplus.com/cap410-capacitor-silver-mica-1100pf-500vdc-package-of-5
http://www.electronicsurplus.com/cap410-capacitor-silver-mica-1100pf-500vdc-package-of-5

44127. re: [DrakeRadio] Re: Silver Mica Capacitors to add 160 M to Drake 2-B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-09 20:54:15 UTC
From: Douglas Glenn
Topic: 44121 Message: 44127

Use a 1000 pF in parallel with a 330 or 390 pF part. These are all standard 5% sequence value parts.
Doug - K3ZMG

From: "jonizornes@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Monday, April 09, 2018 12:46 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Re: Silver Mica Capacitors to add 160 M to Drake 2-B

Here are 1100 pf caps. They also have 1000 pf.
http://www.electronicsurplus.com/cap410-capacitor-silver-mica-1100pf-500vdc-package-of-5

44128. Re: [DrakeRadio] Signal Generator Recommendations Wanted

Yahoo group: DrakeRadio (2018)
Date: 2018-04-09 21:06:29 UTC
From: Douglas Glenn
Topic: 44101 Message: 44128

Originally, H-P published an application note that showed how to build your own down-converter to extend the lower end of the frequency range to zero. I collected some of the necessary parts to build one for my 8640B, but never got around to building it. I use a 3325A at low frequencies instead. You might be able to find the old application note on-line in an H-P archive some where.

Doug - K3ZMG

From: "Barry n4buq@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Sunday, April 08, 2018 12:55 PM
To: DrakeRadio@yahoogroups.com, Kc9cdt@...
Cc: elespe@...
Subject: Re: [DrakeRadio] Signal Generator Recommendations Wanted

That would be the HP11710A/B. I finally just got an 11710B. Unfortunately, those are almost as expensive as the 8640B as they're a bit harder to find.

Thanks,
Barry - N4BUQ

> Does the URM 25 have accuratly calibrated output levels?
> Oh, yes if you get a 8640b...you may need the down converter HP sold, forgot
> the number, but I use one.
>
> 73,
> Lee

44129. Fwd: failure notice - again

Yahoo group: DrakeRadio (2018)
Date: 2018-04-10 07:28:09 UTC
From: blumu
Topic: 44129 Message: 44129

For amusement - almost...

I just got a non-deliverable message from Y
concerning my posting (below) about undeliverables :-)

Michael 2E0IHW

-------- Forwarded Message ----------------------------------

Subject: failure notice
Date: 10 Apr 2018 00:46:26 -0000
From: MAILER-DAEMON@...

Hi. This is the qmail-send program at m13.grp.bf1.yahoo.com.
I'm afraid I wasn't able to deliver your message to the following addresses.
This is a permanent error; I've given up. Sorry it didn't work out.

<drakeradio@yahoogroups.com>:
...
Can't find Map server : map1.grp.vip.bf1.yahoo.com:2326
dosend: fatal: dbListGet error
I'm not going to try again; this message has been in the queue too long.

--- Below this line is a copy of the message.
...
Similar woes here. I frequently get responses to postings
I didn't receive. A few days ago I sent a posting with
6 pdfs totalling 6MB to another group. It didn't get through.
But some days later I did get an undeliverable notice from Y,
and again a day later - both with all 6MB attached...

La perfection n'est pas de ce monde...

Michael 2E0IHW
.....

On Freitag, 6. 04 18 21:10, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:

> There error messages I received were for messages sent about
> March 31. They were in response to the thread about antenna
> tuners. One had a couple of web links for articles on SWR. I
> looked at my received messages but did not see either. I may just
> have missed them but I think they never got through. The machine
> said it was "giving up". ...

44130. Re: [DrakeRadio] Fwd: failure notice - again

Yahoo group: DrakeRadio (2018)
Date: 2018-04-10 09:54:26 UTC
From: Richard Knoppow
Topic: 44129 Message: 44130

Got a similar notice about a message I sent to a Yahoo
typewriter list. Happens every once in a while. Computer
equivalent of "the dog ate my homework".

On 4/10/2018 12:28 AM, blumu blumu@... [DrakeRadio] wrote:
> For amusement - almost...
>
> I just got a non-deliverable message from Y
> concerning my posting (below) about undeliverables :-)
>
> Michael 2E0IHW
>
> -------- Forwarded Message ----------------------------------

--
Richard Knoppow
1oldlens1@...
WB6KBL

44131. R4C AM mode

Yahoo group: DrakeRadio (2018)
Date: 2018-04-10 16:00:51 UTC
From: n9ru@...
Topic: 44131 Message: 44131

I’m new to Drake radios and have had this R4C for just a couple of weeks.
Before I get too deep into it, I thought I’d see if anyone recognizes this problem.

The Radio receives fine in SSB but when I go to the AM mode, the S meter barely registers whereas the same signal in SSB will be at least S9. Also the AM signal level seems a lot lower but some of the big shortwave broadcasters will move the S meter to maybe S4 in the am mode.

I did a quick check of the alignment and the 5645 oscillator and it all seems OK, but the it was just a quick check.

Anyone have any ideas before I get serious?

Thanks

Tom
N9RU

44132. Re: [DrakeRadio] R4C AM mode

Yahoo group: DrakeRadio (2018)
Date: 2018-04-10 16:42:23 UTC
From: Steve Wedge
Topic: 44131 Message: 44132

Tom, is there either a filter or a resistor in the AM FILTER slot?

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Tue, Apr 10, 2018 at 12:00 PM, n9ru@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> I’m new to Drake radios and have had this R4C for just a couple of weeks.
>
> Before I get too deep into it, I thought I’d see if anyone recognizes this
> problem.
>
>
> The Radio receives fine in SSB but when I go to the AM mode, the S meter
> barely registers whereas the same signal in SSB will be at least S9. Also
> the AM signal level seems a lot lower but some of the big shortwave
> broadcasters will move the S meter to maybe S4 in the am mode.
>
>
> I did a quick check of the alignment and the 5645 oscillator and it all
> seems OK, but the it was just a quick check.
>
>
> Anyone have any ideas before I get serious?
>
>
> Thanks
>
>
> Tom
>
> N9RU
>
>
>

44133. Re: [DrakeRadio] R4C AM mode

Yahoo group: DrakeRadio (2018)
Date: 2018-04-10 17:06:43 UTC
From: n9ru@...
Topic: 44131 Message: 44133

Steve, K9SQG also had me check and that is a very good start. There was a .1uf capacitor in the filter slot instead of a 150 ohm resistor.
I removed the cap and put in the resistor.
The am sensitivity is still poor, maybe a bit worse.
It appears someone had been doing their own thing with this radio.

44134. Re: [DrakeRadio] R4C AM mode

Yahoo group: DrakeRadio (2018)
Date: 2018-04-10 22:04:41 UTC
From: Richard Knoppow
Topic: 44131 Message: 44134

Check CR4 and Q6. This is the AM detector and amplifier. Not
used for other modes.

On 4/10/2018 9:00 AM, n9ru@... [DrakeRadio] wrote:
>
>
> I?m new to Drake radios and have had this R4C for just a couple
> of weeks.
>
> Before I get too deep into it, I thought I?d see if anyone
> recognizes this problem.
>
>
> The Radio receives fine in SSB but when I go to the AM mode, the
> S meter barely registers whereas the same signal in SSB will be
> at least S9. ?Also the AM signal level seems a lot lower but some
> of the big shortwave broadcasters will move the S meter to maybe
> S4 in the am mode.
>
>
> I did a quick check of the alignment and the 5645 oscillator and
> it all seems OK, but the it was just a quick check.
>
>
> Anyone have any ideas before I get serious?
>
>
> Thanks
>
>
> Tom
>
> N9RU

44135. Re: R4C AM mode

Yahoo group: DrakeRadio (2018)
Date: 2018-04-11 11:02:21 UTC
From: n9ru@...
Topic: 44131 Message: 44135

I will check the detector amp. That seems like the most likely culprit. The detector seems fine since the AM stations I can hear are clear and not distorted, they are just very low. The mode switch is switching from the product detector to the am detector, good voltages there.
I will probably just replace Q6, cheap and easy. If I had a scope it would be much easier to see. The DC voltages on Q6 aren't too out of wack but for a couple of bucks, replacing it seems to make sense.

The other modes are fine and I don't see any mods or other strangeness in the detector area, just the cap in the filter in place of the resistor.

Thanks for all the suggestions, will let you all know what I find.

Tom
N9RU

44136. Ham Radio Auction site w/ Drake equipment

Yahoo group: DrakeRadio (2018)
Date: 2018-04-11 13:30:41 UTC
From: hamilter@...
Topic: 44136 Message: 44136

There's an auction site in Kansas that has some Drake (and Collins) radios available. I've bought stuff from them before, and they seem to be pretty straightforward and honest. They tend to specialize in HF boat anchor stuff, but also have table radios, tubes, parts and test equipment. Their site is: http://www.schulmanauction.com/
http://www.schulmanauction.com/

The auction isn't on yet, but you can view the offering until they open it up for bidding.

We baby boomers are getting too old to key the mikes, I guess - more and more of us are unloading our shacks to younger hams.

Terry K7WLD
Wenatchee, WA

44137. Re: [DrakeRadio] Re: R4C AM mode

Yahoo group: DrakeRadio (2018)
Date: 2018-04-11 21:40:49 UTC
From: Richard Knoppow
Topic: 44131 Message: 44137

I thought I had posted something about the notch filter.
Can't find it but if I did disregard it. I thought I saw
something else switched but it was just an optical illusion due
to the way the schematic is drawn. It appears that both the AM
detector and product detector are driven from the same line from
the IF. I would also check C-91 which is the RF coupling cap from
the IF to the AM detector. If its bad you would still get AM but
weak.
On 4/11/2018 4:02 AM, n9ru@... [DrakeRadio] wrote:
>
>
> I will check the detector amp. ?That seems like the most likely
> culprit.
> The detector seems fine since the AM stations I can hear are
> clear and not distorted, they are just very low.
> The mode switch is switching from the product detector to the am
> detector, good voltages there.
> I will probably just replace Q6, cheap and easy. If I had a scope
> it would be much easier to see. The DC voltages on Q6 aren?t too
> out of wack but for a couple of bucks, replacing it seems to make
> sense.
>
> The other modes are fine and I don?t see any mods or other
> strangeness in the detector area, just the cap in the filter in
> place of the resistor.
>
> Thanks for all the suggestions, will let you all know what I find.
>
> Tom
> N9RU
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44138. Re: [DrakeRadio] Re: R4C AM mode

Yahoo group: DrakeRadio (2018)
Date: 2018-04-11 22:10:32 UTC
From: Richard Knoppow
Topic: 44131 Message: 44138

The more I think about this the more I am suspicious of C-91.
IF its not difficult to change I would do that before changing
the transistor. Drake used mostly plastic film caps which rarely
fail but its still possible.

On 4/11/2018 4:02 AM, n9ru@... [DrakeRadio] wrote:
>
>
> I will check the detector amp. ?That seems like the most likely
> culprit.
> The detector seems fine since the AM stations I can hear are
> clear and not distorted, they are just very low.
> The mode switch is switching from the product detector to the am
> detector, good voltages there.
> I will probably just replace Q6, cheap and easy. If I had a scope
> it would be much easier to see. The DC voltages on Q6 aren?t too
> out of wack but for a couple of bucks, replacing it seems to make
> sense.
>
> The other modes are fine and I don?t see any mods or other
> strangeness in the detector area, just the cap in the filter in
> place of the resistor.
>
> Thanks for all the suggestions, will let you all know what I find.
>
> Tom
> N9RU
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44139. Test due to failure notice

Yahoo group: DrakeRadio (2018)
Date: 2018-04-11 23:35:40 UTC
From: Richard Knoppow
Topic: 44139 Message: 44139

I want to see if I get this message back. I've sent a couple
of messages that I see on the web site but were not sent back.
Also, I got a failure notice from Yahoo mail. Have gotten several
of these lately from two or three groups. I know others also get
them.
--
Richard Knoppow
1oldlens1@...
WB6KBL

44140. Re: [DrakeRadio] Test due to failure notice

Yahoo group: DrakeRadio (2018)
Date: 2018-04-11 23:36:41 UTC
From: Richard Knoppow
Topic: 44139 Message: 44140

Well, got it right back, sorry for the bandwidth.

On 4/11/2018 4:35 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> I want to see if I get this message back. I've sent a couple
> of messages that I see on the web site but were not sent back.
> Also, I got a failure notice from Yahoo mail. Have gotten several
> of these lately from two or three groups. I know others also get
> them.
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44141. Re: [DrakeRadio] Test due to failure notice

Yahoo group: DrakeRadio (2018)
Date: 2018-04-11 23:45:34 UTC
From: Jeffrey Angus
Topic: 44139 Message: 44141

On 4/11/18 6:35 PM, Richard Knoppow 1oldlens1@... [DrakeRadio]
wrote:
> I want to see if I get this message back.
UR 59 NTX. QSL?

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44142. RE: [DrakeRadio] Test due to failure notice

Yahoo group: DrakeRadio (2018)
Date: 2018-04-11 23:46:32 UTC
From: Joe
Topic: 44139 Message: 44142

Richard...

Very few of my groups do I get a message back unless I include my email address in the header. Don't know why that is. All my YahooGroups are set identically, but on 3, that I can think of, sends a post back to me.

To check if something I sent is important enough to make sure it got out, I just go to the web site and look there.

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Test due to failure notice

Well, got it right back, sorry for the bandwidth.

44143. Re: [DrakeRadio] Test due to failure notice

Yahoo group: DrakeRadio (2018)
Date: 2018-04-12 00:12:38 UTC
From: Richard Knoppow
Topic: 44139 Message: 44143

I get messages back nearly all the time but sometimes don't
from Yahoo. The messages go out to the list and are on the web
site but the echopost or whatever Yahoo calls it sometimes
doesn't work. The error messages are something else. Got them
from a typewriter list and from this one. Its a message failed
due to being in the cueue for too long. I was testing to see if
the echopost was working. Seems to be. When its not everyone
else on the list sees my message and its on the web site. The
only way I can see if its working is to send a test message.

On 4/11/2018 4:46 PM, Joe wrote:
> Richard...
>
> Very few of my groups do I get a message back unless I include my email
> address in the header. Don't know why that is. All my YahooGroups are set
> identically, but on 3, that I can think of, sends a post back to me.
>
> To check if something I sent is important enough to make sure it got out, I
> just go to the web site and look there.
>
> Joe - W7RKN
>
> -----Original Message-----
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Subject: Re: [DrakeRadio] Test due to failure notice
>
> Well, got it right back, sorry for the bandwidth.
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44144. Re: Drake Parts still For Sale...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-12 01:32:27 UTC
From: hwfoglesong@...
Topic: 43721 Message: 44144

Lee,

In all of your Drake parts, do you happen to have a T-1 antenna transformer for a Drake 4 line receiver?

Hank

44145. Re: [DrakeRadio] Re: R4C AM mode

Yahoo group: DrakeRadio (2018)
Date: 2018-04-11 20:11:50 UTC
From: Richard Knoppow
Topic: 44131 Message: 44145

There may be some other parts exclusive to AM. I suggest
getting a large scale schematic printed and tracing the wiring
through the switches with a colored pencil or hi-liter. I
personally find tracing through the switches difficult because I
have to visually figure out positions. It seems to me on a casual
inspection that there is something different in the notch filter
connection. The amplifier is first choice but if changing that
doesn't work a careful circuit trace may find something else. I
would at least lift the detector diode and test it if the amp
doesn't fix it.
I have found that sometimes tracing and even re-drawing
sections of a circuit can be very helpful.

On 4/11/2018 4:02 AM, n9ru@... [DrakeRadio] wrote:
>
>
> I will check the detector amp. ?That seems like the most likely
> culprit.

--
Richard Knoppow
1oldlens1@...
WB6KBL

44146. 2B/2C Calibrator for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-04-12 17:55:49 UTC
From: K4GM George
Topic: 34470 Message: 44146

I have a working Drake xtal calibrator that has worked well in a 2B and a 2C. I will entertain offers by email DIRECT. Please do not make offers on this reflector. My direct email is in the heading but to be clear please send to k4gm@... if interested. I am downsizing and just starting to send my Drake gear to new homes. Thank you.

--
73, George K4GM

FISTS #10323
SKCC #7241S
6BDXCC

44147. Drake 2BQ For Sale

Yahoo group: DrakeRadio (2018)
Date: 2018-04-13 20:06:11 UTC
From: k5apl41@...
Topic: 44147 Message: 44147

I have a good looking good working Drake 2BQ for sale. It has the original Jensen speaker in it. I want $125.00 plus shipping. Thanks,
Wes K5APL

44148. Re: [DrakeRadio] Drake 2BQ For Sale

Yahoo group: DrakeRadio (2018)
Date: 2018-04-13 20:34:42 UTC
From: RAY FRIESS
Topic: 44147 Message: 44148

Interested. Pics?

Sent from my Verizon LG Smartphone

------ Original message------
From: k5apl41@... [DrakeRadio]
Date: Fri, Apr 13, 2018 2:13 PM
To: DrakeRadio@yahoogroups.com;
Cc:
Subject:[DrakeRadio] Drake 2BQ For Sale

I have a good looking good working Drake 2BQ for sale. It has the original Jensen speaker in it. I want $125.00 plus shipping. Thanks,

Wes K5APL

44149. Looking for tuner knobs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-13 23:26:42 UTC
From: ddean@...
Topic: 44149 Message: 44149

I am in need of a pair of the small knobs used on the 3 position range switch (resistive and reactive 0-10, 10-20, 20-30). These will fit a MN2700, MN7 or MN4C. Any one have a parts mule or suggestion on where to find a set?

73
Dale
AF7WH

44150. Re: [DrakeRadio] Looking for tuner knobs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-14 00:37:02 UTC
From: Bob Loving
Topic: 44149 Message: 44150

Dale, I was lucky enough two years ago at the Huntsville hamfest to come across a guy with a box of knobs. I found two that fit. Whether they are exact matches for the original Drake specified parts, I don't know and don't care. A local hamfest may turn up subs if luck is on your side.
There is a possible substitute available from Mouser. It is C&K 21125, Mouser p/n 611-21125, I have not bought these so I can not vouch for them being workable parts. The piece part cost is pretty low.
GL ES 73
Bob K9JUMaryville, TN

On Friday, April 13, 2018 7:33 PM, "ddean@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

I am in need of a pair of the small knobs used on the 3 position range switch (resistive and reactive 0-10, 10-20, 20-30). These will fit a MN2700, MN7 or MN4C. Any one have a parts mule or suggestion on where to find a set?

73
Dale
AF7WH

44152. Re: [DrakeRadio] Tubes Fact or Fiction?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-14 21:23:03 UTC
From: Jeffrey Angus
Topic: 39974 Message: 44152

On Jul 13, 2017, at 1:20 PM, Gary F wrote:
>
> Small tubes are generally rated for 10,000 hours. Often they last
> a lot longer, especially in non-demanding applications such as
> low level audio applications.

A notable exception to this are tubes that have the filament voltage applied, but no plate voltage.
This results in what is called cathode poisoning.
Good examples of this are the 2AC calibrater, and the 2BQ and 2-CQ Q-multipliers.The filaments are on all the time and the B+ is switched on only during use.

44153. Re: [DrakeRadio] Tubes Fact or Fiction?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-14 22:28:13 UTC
From: M PALMER
Topic: 39974 Message: 44153

Hi guys

I have a really nice SPR4 receiver, but 20 meters seems to be all over the place but all other bands are spot on? Anyone come across this problem or can point me in the right direction?

Cheers Mike

Sent from my iPhone

44154. RE: [DrakeRadio] SPR4 Issue(s)

Yahoo group: DrakeRadio (2018)
Date: 2018-04-14 23:36:11 UTC
From: Joe
Topic: 44154 Message: 44154

Hi Mike!

Please, in your future posts, start your own topic, unless, of course, you are responding to an existing topic!

I have changed the topic for replies!

Many thanks!

Joe – W7RKN

Sent from my iPhone

_·_’_·___

_____

Posted by: M PALMER <m.palmer36@btinternet.com>

_____

<http://geo.yahoo.com/serv?s=97476590/grpId=17989790/grpspId=1705063108/msgId=44153/stime=1523745906>

44155. Re: [DrakeRadio] Tubes Fact or Fiction?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-14 23:47:05 UTC
From: VE7PS
Topic: 39974 Message: 44155

Mike:

I think we need a bit more information....

Do you mean the frequency readout on 20m alone is way off? If so, how much? Does it change or is it static?

By 'spot on', I assume you mean that the frequency readout is accurate on all other bands?

Just need to clarify before speculating on the problem.

73

Peter
VE7PS

On 4/14/2018 3:28 PM, M PALMER m.palmer36@... [DrakeRadio] wrote:
> Hi guys
>
> I have a really nice SPR4 receiver, but 20 meters seems to be all over
> the place but all other bands are spot on? Anyone come across this
> problem or can point me in the right direction?
>
> Cheers Mike
>
> Sent from my iPhone
>
>>
>

This email has been checked for viruses by AVG.
http://www.avg.com

44156. SPR-4 Issue

Yahoo group: DrakeRadio (2018)
Date: 2018-04-14 23:48:01 UTC
From: VE7PS
Topic: 39974 Message: 44156

Sorry - should have replied form Joe's post to keep the subject intact.

PS

On 4/14/2018 4:47 PM, VE7PS ve7ps@... [DrakeRadio] wrote:
>
> Mike:
>
> I think we need a bit more information....
>
> Do you mean the frequency readout on 20m alone is way off? If so, how
> much? Does it change or is it static?
>
> By 'spot on', I assume you mean that the frequency readout is accurate
> on all other bands?
>
> Just need to clarify before speculating on the problem.
>
> 73
>
> Peter
> VE7PS
>
> On 4/14/2018 3:28 PM, M PALMER m.palmer36@... [DrakeRadio]
> wrote:
>> Hi guys
>>
>> I have a really nice SPR4 receiver, but 20 meters seems to be all
>> over the place but all other bands are spot on? Anyone come across
>> this problem or can point me in the right direction?
>>
>> Cheers Mike
>>
>> Sent from my iPhone
>>
>>>
>
>
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
> Virus-free. www.avg.com
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
>
>

> <#DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>

This email has been checked for viruses by AVG.
http://www.avg.com

44157. T4XC 40m rf tuning

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 00:33:24 UTC
From: lonelyone_64109@...
Topic: 44157 Message: 44157

I've got a T4XC that when tuned to 40m the RF tune pointer is pointing at 4, rather than pointing to the 40m band. In the TUNE mode I get over 100 watts output. If I set the RF tune pointer to the 40m band the output drops to around 40w.

T4-7 slug height is correct and the red pointer is properly set according to the manual. I've checked the alignment of the 7.0 MHz trimmers. All the other bands are fine as far as where the RF tune pointer is positioned.

Any ideas on this one?

WB0CJB

44158. Re: [DrakeRadio] T4XC 40m rf tuning

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 00:45:08 UTC
From: Steve Wedge
Topic: 44157 Message: 44158

You are likely tuning on the carrier oscillator. Could be, if you're not getting anything on 40 only, that your 18.1 xtal is not working.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sat, Apr 14, 2018 at 8:33 PM, lonelyone_64109@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> I've got a T4XC that when tuned to 40m the RF tune pointer is pointing at
> 4, rather than pointing to the 40m band. In the TUNE mode I get over 100
> watts output. If I set the RF tune pointer to the 40m band the output
> drops to around 40w.
>
>
> T4-7 slug height is correct and the red pointer is properly set according
> to the manual. I've checked the alignment of the 7.0 MHz trimmers. All the
> other bands are fine as far as where the RF tune pointer is positioned.
>
>
> Any ideas on this one?
>
>
> WB0CJB
>
>
>

44159. Re: SPR-4 Issue

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 05:40:01 UTC
From: jonizornes@...
Topic: 39974 Message: 44159

You may want to reseat the 20 Meter xtal a few times to make sure the pins are clean and making good contact. Other than that it seems your xtal has aged differently than the others. On one of my SPR-4's, my 40 Meter xtal is off by 3kc or more compared to the other ones, but that just means I have to zero the dial when going to or from that band, if I want accuracy. I have multiple xtals in sockets that are apparently wallered out and I have to reseat them to get them to oscillate at all. I'm tempted to pull the sockets out and solder the xtals in place.

44160. freezing vu-meter on NM2700

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 08:07:19 UTC
From: f4dbd@...
Topic: 44160 Message: 44160

Hi !

My MN2700 is arrived to my shack. I'm so happy !

There is just a little problem with the vu-meter. It freeze when it is in the midle. VSWR / WATTS : same problem

With more than 50W it freeze on 50W. I need to touch the screen to have the good display.

You can see it on youtube : https://www.youtube.com/watch?v=f_u2Z2jMdb8

Any idea for help me to resolve this problem ?

Thanks and 73 !

44161. Re: [DrakeRadio] freezing vu-meter on NM2700

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 12:14:15 UTC
From: Dave Edwards
Topic: 44160 Message: 44161

vu meter?

On 4/15/18 4:07 AM, f4dbd@... [DrakeRadio] wrote:
>
> Hi !
>
> My MN2700 is arrived to my shack. I'm so happy !
>
> There is just a little problem with the vu-meter. It freeze when it is
> in the midle. VSWR / WATTS : same problem
>
> With more than 50W it freeze on 50W. I need to touch the screen to
> have the good display.
>
> You can see it on youtube : https://www.youtube.com/watch?v=f_u2Z2jMdb8
>
> Any idea for help me to resolve this problem ?
>
> Thanks and 73 !
>
>
>

44162. Re: [DrakeRadio] freezing vu-meter on NM2700

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 13:01:23 UTC
From: f4dbd@...
Topic: 44160 Message: 44162

V.S.W.R meter...

44163. Re: [DrakeRadio] freezing vu-meter on NM2700

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 13:33:27 UTC
From: <km2km@...>
Topic: 44160 Message: 44163

Hey, Guys, give Fred a break an an answer! (Aftr all h is a young guy!)

,I have the earlier version. The MN-4 C but I believe that is the same mter and the solution is probably mechanical and not electrical. The solution is to carefully open the meter to see if there's any dust inside or around the coil. It could even be rubbing on the back of the meter base or the meter cover. Good luk

Kris KM2KM
MERSCHROD
123 Warren Road
Ithaca, NY 14850

---- "f4dbd@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

==========
V.S.W.R meter...

44164. Re: [DrakeRadio] freezing vu-meter on NM2700

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 13:40:19 UTC
From: Richard Knoppow
Topic: 44160 Message: 44164

It looks like there is something sticking the meter at that point. It may be on the scale interfering with the pointer or it may be in the meter coil. I am not familiar with this particular meter but most meters have a zero set screw on the front. Sometimes sticky meters can be cured by working the screw back a forth a few times. Worth a try. Otherwise you must open the meter and clean out whatever is causing it to stick. If its something between the card and pointer you can see it by shining a flashlight across the card, it will throw a shadow. If its in the coil you may be able to remove it with a small piece of sticky tape like Scotch tape, or even with a bit of paper.
It is possible although less likely that the bearings are loose. That will be visible once you see the mechanism. There are several types of meters and not all of them have adjustments for this.
It does not look like static electricity but before doing anything else try rubbing one of those fabric softener tissues that go in the dryer across it. They have an anti-static substance in them to prevent clothes from clinging. That will often work to prevent static charge on meter windows.

On 4/15/2018 1:07 AM, f4dbd@... [DrakeRadio] wrote:
>
>
> Hi !
>
> My MN2700 is arrived to my shack. I'm so happy !
>
> There is just a little problem with the vu-meter. It freeze when
> it is in the midle. VSWR / WATTS : same problem
>
> With more than 50W it freeze on 50W. I need to touch the screen
> to have the good display.
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> You can see it on youtube :
> https://www.youtube.com/watch?v=f_u2Z2jMdb8
>
> Any idea for help me to resolve this problem ?
>
> Thanks and 73 !
>
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44165. Re: [DrakeRadio] freezing vu-meter on NM2700

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 14:08:18 UTC
From: Dave Edwards
Topic: 44160 Message: 44165

Flip the tuner upside-down, and apply signal to work the meter back and
forth.

The goal is to perhaps knock out whatever is interfering with the movement.

Spend some time tapping on the meter....with eraser side of pencil. Also
to attempt knocking out the

offending speck.

LAST choice is opening it up. As delicate (and magnetic) as it
is....this often results in disaster!!!

...Dave

On 4/15/18 9:40 AM, Richard Knoppow 1oldlens1@... [DrakeRadio]
wrote:
> It looks like there is something sticking the meter at that
> point. It may be on the scale interfering with the pointer or it
> may be in the meter coil. I am not familiar with this particular
> meter but most meters have a zero set screw on the front.
> Sometimes sticky meters can be cured by working the screw back a
> forth a few times. Worth a try. Otherwise you must open the meter
> and clean out whatever is causing it to stick. If its something
> between the card and pointer you can see it by shining a
> flashlight across the card, it will throw a shadow. If its in the
> coil you may be able to remove it with a small piece of sticky
> tape like Scotch tape, or even with a bit of paper.
> It is possible although less likely that the bearings are
> loose. That will be visible once you see the mechanism. There are
> several types of meters and not all of them have adjustments for
> this.
> It does not look like static electricity but before doing
> anything else try rubbing one of those fabric softener tissues
> that go in the dryer across it. They have an anti-static
> substance in them to prevent clothes from clinging. That will
> often work to prevent static charge on meter windows.
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> On 4/15/2018 1:07 AM, f4dbd@... [DrakeRadio] wrote:
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>> Hi !
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>>
>> With more than 50W it freeze on 50W. I need to touch the screen
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>>
>> You can see it on youtube :
>> https://www.youtube.com/watch?v=f_u2Z2jMdb8
>>
>> Any idea for help me to resolve this problem ?
>>
>> Thanks and 73 !
>>
>>
>>
>>
>>

44166. DRAKE PARTS For Sale (some added)

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 15:37:50 UTC
From: Kc9cdt@...
Topic: 44166 Message: 44166

Found some more,
Here is the list....

Make offer for all if you want them.

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not include shipping as I will combine shipping based on what you select:
Offer for all parts considered.....

1) R-4C rear crystal board cover (for the ones on the back) nice condition...$10.
2) R-4C rear crystal board cover (for the ones on the back) nice condition...$10. 2nd one
3) R-4C Top cover for passband tuning & AM filter area new...$10.
4) QTY 3...R-4C Circular disk for crystal switch to mark freq. on $5.00 each
5) Red pointer for preselector position...$10.
6) NB plug for when NB is not there....$10.
6A) Qty 2 ...clear plastic fudicials with a hole in each end...dimentions 3.5 x 1.5 in. with red line down center
P/N 346-0010.....$10 each.
6B) QTY 4...BLUE filter for VFO area with white backing piece NEW $10 each
6C) Drake 2C dial cord...$5.

7) Knob for L-4B WITH white line NOS.....$10.
8) Knob for L-4B No white line NOS....$10
13) New Plate meter for TR-4 etc....P/N 358-0160....$30
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$10
40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30 These are NOS, not used
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
67) 39 Set Screw standard BAR knobs NOS or excellent cond.....$2 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$10
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$10
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$10
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$2
77) 1 New Jersey Semiconductor 2N2430....NOS...$2
78) 3 New Jersey Semiconductor 2N2926....NOS...$6
79) 2 New Jersey Semiconductor 2N3638....NOS...$4
80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
82 Knob for TR-7 main tuning....$20

Let me know the number (s) of what you want or make offer on everything left.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

44167. GOT MY TWINS BACK ON THE DESK

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 16:02:08 UTC
From: ve3fmc@...
Topic: 44167 Message: 44167
Attachments: 2 described; binary payloads are missing from this source WARC

I now have my TX-4B, R-4C and MS-4 back on the operating desk.

I ordered the PS rebuild kit from Nationwide Radio and Mark was great to deal with. Fast shipping and a very fair shipping rate to Canada.

I had a good friend of mine who has been a ham for over 50 years do the work on the Twins. Bill VE3NH has repaired old tube gear and modern radios for years. I know I can trust him to repair things properly.

First thing he did was rebuild the PS with the kit. He told me he has rebuilt Drake PS in the past and the kit I had bought was one of the best he has used.

Once he was done the installation he checked the voltages, all was well.

Then he moved to the TX-4B which had an intermittent power dropout problem. Turns out it was the relay that supplies the bias voltage to the finals and the 6EV7 tube causing that problem. He cleaned up the relay, and then he cleaned up all the controls, tube sockets etc.

Problem solved.

So I wanted to thank everyone who emailed me with tips and hints on what would solve the issues I was having.
I received a few emails from members of this group that were of great help. Thanks Guys!

Now I am waiting to hear back from a couple of guys with regards to a couple of Shure 444's and a Shure 450 mic. I am currently using a Turner Plus 3 amplified mic that came with the Twins. Needless to say I need to "Mellow out the audio" So the Shure's should help with that.

I also tested the TR-4 I had bought back in early February once I got the rebuilt PS back home. It works fine too. So now I have two Drake stations I can operate.

Also during the time the Twins were on the repair bench I managed to grab a VE3 2X2 call. There are no VE3 or VA3 2x2 calls available. The only way one becomes available is if someone moves out of the province (which was how I got mine) or someone becomes a SK and Industry Canada is notified of the death of the ham who held the call.

So I lucked out, worked together with the guy who was moving out of Ontario and got his call. Needless to say there are some jealous hams in Ontario who have tried to get a 2X2 call and none are available!

Again, thanks to everyone who offered tips, hints and suggestions when I had the problem with the Twins.

73, Rick VE3PP

44168. Re: [DrakeRadio] freezing vu-meter on NM2700

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 16:03:57 UTC
From: Jim Shorney
Topic: 44160 Message: 44168

I'm thinking that this is a taut-band meter like the 4-line wattmeters, etc. So there would be no bearings. There could still be some sort of debris inside the meter though. Be very careful if you do take it apart. If you snap the band you will be looking for a new meter.

The simplest explanation is a static charge created when the packing material was removed. The plastic used in the meter covers can hold a charge for quite some time.

73

-Jim
NU0C

On Sun, 15 Apr 2018 06:40:19 -0700, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:

> It looks like there is something sticking the meter at that
>point. It may be on the scale interfering with the pointer or it
>may be in the meter coil. I am not familiar with this particular
>meter but most meters have a zero set screw on the front.
>Sometimes sticky meters can be cured by working the screw back a
>forth a few times. Worth a try. Otherwise you must open the meter
>and clean out whatever is causing it to stick. If its something
>between the card and pointer you can see it by shining a
>flashlight across the card, it will throw a shadow. If its in the
>coil you may be able to remove it with a small piece of sticky
>tape like Scotch tape, or even with a bit of paper.
> It is possible although less likely that the bearings are
>loose. That will be visible once you see the mechanism. There are
>several types of meters and not all of them have adjustments for
>this.
> It does not look like static electricity but before doing
>anything else try rubbing one of those fabric softener tissues
>that go in the dryer across it. They have an anti-static
>substance in them to prevent clothes from clinging. That will
>often work to prevent static charge on meter windows.
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>On 4/15/2018 1:07 AM, f4dbd@... [DrakeRadio] wrote:
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>> There is just a little problem with the vu-meter. It freeze when

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>> https://www.youtube.com/watch?v=f_u2Z2jMdb8
>>
>> Any idea for help me to resolve this problem ?
>>
>> Thanks and 73 !
>>
>>
>>
>>
>>
>
>--
>Richard Knoppow
>1oldlens1@...
>WB6KBL

--
The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris,
"The Doctor's Wife"

44169. Fan For L7

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 16:15:31 UTC
From: Joe
Topic: 44169 Message: 44169

I am in need of a new fan for my L7 Amplifier. I found nothing, anywhere that specifically says anything about the L7. I asked before and someone said 'search'. NO JOY!

I would prefer something close to the same, no faster or more noisy.

Does anyone have one to sell or can point me in the direction needed, with part numbers, etc. for a replacement fan?

Thanks

Joe - W7RKN

44170. Re: [DrakeRadio] Fan For L7

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 16:25:20 UTC
From: MadScientist1948
Topic: 44169 Message: 44170

Is your fan motor bad or is the squirrel cage bad?

I have some motors.

Gary

> On Apr 15, 2018, at 11:15 AM, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> I am in need of a new fan for my L7 Amplifier. I found nothing, anywhere that specifically says anything about the L7. I asked before and someone said ‘search’. NO JOY!
>
>
>
> I would prefer something close to the same, no faster or more noisy.
>
>
>
> Does anyone have one to sell or can point me in the direction needed, with part numbers, etc. for a replacement fan?
>
>
>
> Thanks
>
>
>
> Joe – W7RKN
>
>
>

44171. Re: [DrakeRadio] Fan For L7

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 17:21:31 UTC
From: Jim Shorney
Topic: 44169 Message: 44171

K9SQG is the man to talk to. You can't use just any fan in there, it has to be one that has high temp lubricant. Last I knew he still had some left.

73

-Jim
NU0C

On Sun, 15 Apr 2018 09:15:31 -0700, Joe w7rkn.7@... [DrakeRadio] wrote:

>I am in need of a new fan for my L7 Amplifier. I found nothing, anywhere
>that specifically says anything about the L7. I asked before and someone
>said 'search'. NO JOY!
>
>
>
>I would prefer something close to the same, no faster or more noisy.
>
>
>
>Does anyone have one to sell or can point me in the direction needed, with
>part numbers, etc. for a replacement fan?
>
>
>
>Thanks
>
>
>
>Joe - W7RKN
>
>

--

"Good men don?t need rules. Today is not the day to find out why I have so many." - Doctor Who

44172. Re: [DrakeRadio] Fan For L7

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 17:27:06 UTC
From: Evan
Topic: 44169 Message: 44172

Joe and Drake Enthusiasts,

The fan on the L7 has some history behind it and I won't go into all of the details but you might want to avoid a direct replacement. Why? Well, I have some BUT due to changes in manufacturing/ownership, they switched to a different lubricant that allows the fan to seize when used in applications like the L7 with high heat. I do have a "better" replacement that I have used with success with the only change being the installation of a different series dropping resistor for the slow speed.

Unable to get downstairs to see how many I have, model number, etc. etc. so if you can wait until Monday I'd be glad to get the info for you.

73,

Evan, K9SQG

-----Original Message-----
From: MadScientist1948 dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: WB6TNF handyjimbo@... [DrakeRadio] <DrakeRadio@yahoogroups.com>; Joe <w7rkn.7@gmail.com>
Sent: Sun, Apr 15, 2018 12:25 pm
Subject: Re: [DrakeRadio] Fan For L7

Is your fan motor bad or is the squirrel cage bad?

I have some motors.

Gary

On Apr 15, 2018, at 11:15 AM, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I am in need of a new fan for my L7 Amplifier. I found nothing, anywhere that specifically says anything about the L7. I asked before and someone said ‘search’. NO JOY!

I would prefer something close to the same, no faster or more noisy.

Does anyone have one to sell or can point me in the direction needed, with part numbers, etc. for a replacement fan?

Thanks

Joe – W7RKN

44173. RE: [DrakeRadio] Fan For L7

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 18:28:51 UTC
From: Joe
Topic: 44169 Message: 44173

Hi Evan…

Not a problem….I ‘think’ I can wait a day or 3. LOL.

I believe, the old saying went, “If you hurry up and take your time, I’ll hurry up and wait!”

Thanks!

Joe

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: Sunday, April 15, 2018 10:27 AM
To: DrakeRadio@yahoogroups.com; dukeshifi@...
Subject: Re: [DrakeRadio] Fan For L7

Joe and Drake Enthusiasts,

The fan on the L7 has some history behind it and I won't go into all of the details but you might want to avoid a direct replacement. Why? Well, I have some BUT due to changes in manufacturing/ownership, they switched to a different lubricant that allows the fan to seize when used in applications like the L7 with high heat. I do have a "better" replacement that I have used with success with the only change being the installation of a different series dropping resistor for the slow speed.

Unable to get downstairs to see how many I have, model number, etc. etc. so if you can wait until Monday I'd be glad to get the info for you.

73,

Evan, K9SQG

-----Original Message-----
From: MadScientist1948 dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: WB6TNF handyjimbo@... [DrakeRadio] <DrakeRadio@yahoogroups.com>; Joe <w7rkn.7@...>
Sent: Sun, Apr 15, 2018 12:25 pm
Subject: Re: [DrakeRadio] Fan For L7

Is your fan motor bad or is the squirrel cage bad?

I have some motors.

Gary

On Apr 15, 2018, at 11:15 AM, Joe w7rkn.7@gmail.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I am in need of a new fan for my L7 Amplifier. I found nothing, anywhere that specifically says anything about the L7. I asked before and someone said ‘search’. NO JOY!

I would prefer something close to the same, no faster or more noisy.

Does anyone have one to sell or can point me in the direction needed, with part numbers, etc. for a replacement fan?

Thanks

Joe – W7RKN

44174. Noticed a strange thing...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 18:38:56 UTC
From: Barry
Topic: 44174 Message: 44174

I bought an item on eBay today that was advertised as having over 100 sold and "Last one" displayed in red. After I bought it, the ad stayed up with the number sold incremented and "Last one" still showing in red. I see that as the seller trying to induce a false sense of urgency in a buyer and don't really think it should be allowed. Anyone else seen this kind of thing going on there?

Thanks,
Barry - N4BUQ

44175. Re: [DrakeRadio] Noticed a strange thing...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 18:40:56 UTC
From: Barry
Topic: 44174 Message: 44175

BTW, this is mildy on topic as I bought this as an accessory for one of my Drakes.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Barry n4buq@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Sunday, April 15, 2018 1:38:56 PM
> Subject: [DrakeRadio] Noticed a strange thing...
>
> I bought an item on eBay today that was advertised as having over 100 sold
> and "Last one" displayed in red. After I bought it, the ad stayed up with
> the number sold incremented and "Last one" still showing in red. I see that
> as the seller trying to induce a false sense of urgency in a buyer and don't
> really think it should be allowed. Anyone else seen this kind of thing
> going on there?
>
> Thanks,
> Barry - N4BUQ
>
>
> ------------------------------------
> Posted by: Barry <n4buq@...>
> ------------------------------------
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> ------------------------------------
>
> Yahoo Groups Links
>
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44176. Re: [DrakeRadio] Noticed a strange thing...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 18:42:24 UTC
From: MadScientist1948
Topic: 44174 Message: 44176

Can you please give me the item number?

I have a lot of experience with ebay, as you know.

I'd like to look into it.

Gary

> On Apr 15, 2018, at 1:38 PM, Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I bought an item on eBay today that was advertised as having over 100 sold and "Last one" displayed in red. After I bought it, the ad stayed up with the number sold incremented and "Last one" still showing in red. I see that as the seller trying to induce a false sense of urgency in a buyer and don't really think it should be allowed. Anyone else seen this kind of thing going on there?
>
> Thanks,
> Barry - N4BUQ
>
>

44177. Re: [DrakeRadio] Noticed a strange thing...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 18:46:27 UTC
From: MadScientist1948
Topic: 44174 Message: 44177

So long as the thread is short, it is relevant because a lot of people find very good Drake related equipment and parts there.

Anything that makes people feel unsafe buying there is bad for those who offer such valuable Drake-related items there, and eventually leads sellers to not bother with the works of selling.

Gary

> On Apr 15, 2018, at 1:42 PM, MadScientist1948 dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Can you please give me the item number?
>
>
> I have a lot of experience with ebay, as you know.
>
> I'd like to look into it.
>
> Gary
>
>> On Apr 15, 2018, at 1:38 PM, Barry n4buq@... <mailto:n4buq@knology.net> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
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>> I bought an item on eBay today that was advertised as having over 100 sold and "Last one" displayed in red. After I bought it, the ad stayed up with the number sold incremented and "Last one" still showing in red. I see that as the seller trying to induce a false sense of urgency in a buyer and don't really think it should be allowed. Anyone else seen this kind of thing going on there?
>>
>> Thanks,
>> Barry - N4BUQ
>>
>
>
>

44178. Re: [DrakeRadio] Noticed a strange thing...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 18:47:57 UTC
From: ROLYNN PRECHTL
Topic: 44174 Message: 44178

The "Last One" sales strategy has been going on for some time now.

It prompts a buyer into purchasing when they think there will be no more available.

RP

44179. T-4XB Sidetone/Tune Oscillator Not Oscillating

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 20:29:42 UTC
From: Ryan Scott
Topic: 44179 Message: 44179
Attachments: 1 described; binary payloads are missing from this source WARC

Hello fellow group members:
I've been working on a T-4XB XMTR the last 2 weekends. It had no output power in any mode. I managed to get things going where it works in SSB (both LSB/USB), AM, and CW. But for whatever reason, when in tune mode, V-9A which is set up as a 1kHz oscillator *will Not* oscillate. If I inject a 1kHz signal to the balanced modulator I can get RF power in tune. I traced the circuit (V-9A and B) and while in SSB, everything works as it should. But when S1C at the rear is switched to tune, which makes the connection from the output of the feedback network (R70-2, C126-8) to the grid of V9A, there is no oscillation.
I had it on most of the day yesterday, and it actually started to oscillate if you would key the mic in SSB mode, speak, and then switch to tune. I had a nice 1kHz sine wave on the plate of V9A.. But this morning, after sitting all night, I'm back to no power (no sidetone) in tune mode.
Here's what I have done so far:
Replaced the .001 coupling caps C124 and C132.Replaced the entire feedback network (C126-8, R70-2)Loosened and re-tightened grounding screws on both boards associated with this circuitVerified value of R68 (3.3M pin 2 of V9), R75 (337k pin 1 of V9)Tried multiple 12AX7's for V9Cleaned tube socket, tightened screws of socketBypassed the switch by jumpering the output of the feedback network to C124.
The bias is off a bit on Pin 2 (-0.5V,) and Pin 1 (75V) so it appears the tube is hard turned on. When it did oscillate, the voltage on the grid was -1.0V, and the plate voltage when up.
My interpretation of the circuit is while in tune mode, V9A is the oscillator, and V9B is the amplifier. These are connected through a 6.8M resistor (also verified) so as not to load the oscillator. Am I missing anything on this?
Anyone seen this? I've been through about everything in this part of V9 and I'm coming up empty handed.... I've attached a picture of the section of V9 blown up so it's easier to read.
I tried searching the messages in the group for similar issues, but what a terrible interface... So, I'm reaching out in hopes that someone may have seen this issue.
Lastly, it was sad to hear of Garey's recent passing. He helped me troubleshoot another T4XB when I first stared with Drakes. I purchased his CD many years ago, but this was the first time I used it while servicing this thing. That information alone saved me several hours of trying to figure out where all the components were.
Thanks and Regards,
Ryan N7QJ

44180. Re: [DrakeRadio] GOT MY TWINS BACK ON THE DESK [2 Attachments]

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 20:48:41 UTC
From: Richard Knoppow
Topic: 44167 Message: 44180

Congratulations on getting this very fine rig back in action.
A Shure 444 is NOT going t mellow out the audio. It has a
peak even larger than the D-104. A flatter mic will help a lot. I
use an Electro-Voice 664 but there are others that are good. A
cardioid helps to cut down background noise and make the job of
the anti-vox easier. You don't need an amplified mic with this rig.
Keep in mind that the audio response is mostly determined by
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mechanical design but I think are a bit too much since they sound
metallic.

On 4/15/2018 9:02 AM, ve3fmc@... [DrakeRadio] wrote:
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> I now have my TX-4B, R-4C and MS-4 back on the operating desk.
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> great to deal with. Fast shipping and a very fair shipping rate
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> do the work on the Twins. Bill VE3NH has repaired old tube gear
> and modern radios for years. I know I can trust him to repair
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> a SK and Industry Canada is notified of the death of the ham who
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> are available!
>
> Again, thanks to everyone who offered tips, hints and suggestions
> when I had the problem with the Twins.
>
> 73, Rick VE3PP
Richard Knoppow
1oldlens1@...
WB6KBL

44181. Re: [DrakeRadio] freezing vu-meter on NM2700

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 20:50:49 UTC
From: Richard Knoppow
Topic: 44160 Message: 44181

A fabric softener tissue rubbed on the window will often cure
static charges.
I have had problems with taught band meters from the band
sagging a little. There is often a means of adjusting the tension
on the band but you risk destroying the meter.

On 4/15/2018 9:03 AM, 'Jim Shorney' jshorney@...
[DrakeRadio] wrote:
>
> I'm thinking that this is a taut-band meter like the 4-line wattmeters, etc. So
> there would be no bearings. There could still be some sort of debris inside the
> meter though. Be very careful if you do take it apart. If you snap the band you
> will be looking for a new meter.
>
> The simplest explanation is a static charge created when the packing material
> was removed. The plastic used in the meter covers can hold a charge for quite
> some time.
>
> 73
>
> -Jim
> NU0C

--
Richard Knoppow
1oldlens1@...
WB6KBL

44182. Re: [DrakeRadio] Noticed a strange thing...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 20:53:14 UTC
From: Richard Knoppow
Topic: 44174 Message: 44182

Reminds me of the New York stores with "Going out of
Business" signs that were so old they were falling apart.

On 4/15/2018 11:47 AM, 'ROLYNN PRECHTL' k7dfw@...
[DrakeRadio] wrote:
> The "Last One" sales strategy has been going on for some time now.
>
> It prompts a buyer into purchasing when they think there will be no more available.
>
>
> RP

--
Richard Knoppow
1oldlens1@...
WB6KBL

44183. Re: [DrakeRadio] T-4XB Sidetone/Tune Oscillator Not Oscillating

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 20:55:32 UTC
From: Richard Knoppow
Topic: 44179 Message: 44183

I am curious if you get side tone in CW. Its the same
oscillator. If you do I suspect the switch or wiring.

On 4/15/2018 1:29 PM, Ryan Scott tweeker42000@...
[DrakeRadio] wrote:
>
>
> Hello fellow group members:
>
> I've been working on a T-4XB XMTR the last 2 weekends.? It had no
> output power in any mode.? I managed to get things going where it
> works in SSB (both LSB/USB), AM, and CW.? But for whatever
> reason, when in tune mode, V-9A which is set up as a 1kHz
> oscillator *will Not* oscillate.? If I inject a 1kHz signal to
> the balanced modulator I can get RF power in tune.? I traced the
> circuit (V-9A and B) and while in SSB, everything works as it
> should.? But when S1C at the rear is switched to tune, which
> makes the connection from the output of the feedback network
> (R70-2, C126-8) to the grid of V9A, there is no oscillation.
>
> I had it on most of the day yesterday, and it actually started to
> oscillate if you would key the mic in SSB mode, speak, and then
> switch to tune.? I had a nice 1kHz sine wave on the plate of
> V9A..? But this morning, after sitting all night, I'm back to no
> power (no sidetone) in tune mode.
>
> Here's what I have done so far:
>
> Replaced the .001 coupling caps C124 and C132.
> Replaced the entire feedback network (C126-8, R70-2)
> Loosened and re-tightened grounding screws on both boards
> associated with this circuit
> Verified value of R68 (3.3M pin 2 of V9), R75 (337k pin 1 of V9)
> Tried multiple 12AX7's for V9
> Cleaned tube socket, tightened screws of socket
> Bypassed the switch by jumpering the output of the feedback
> network to C124.
>
> The bias is off a bit on Pin 2 (-0.5V,) and Pin 1 (75V) so it
> appears the tube is hard turned on.? When it did oscillate, the
> voltage on the grid was -1.0V, and the plate voltage when up.
>
> My interpretation of the circuit is while in tune mode, V9A is
> the oscillator, and V9B is the amplifier.? These are connected
> through a 6.8M resistor (also verified) so as not to load the

> oscillator.? Am I missing anything on this?
>
> Anyone seen this?? I've been through about everything in this
> part of V9 and I'm coming up empty handed....? I've attached a
> picture of the section of V9 blown up so it's easier to read.
>
> I tried searching the messages in the group for similar issues,
> but what a terrible interface...? So, I'm reaching out in hopes
> that someone may have seen this issue.
>
> Lastly, it was sad to hear of Garey's recent passing.? He helped
> me troubleshoot another T4XB when I first stared with Drakes.? I
> purchased his CD many years ago, but this was the first time I
> used it while servicing this thing.? That information alone saved
> me several hours of trying to figure out where all the components
> were.
>
> Thanks and Regards,
> Ryan
> N7QJ

--
Richard Knoppow
1oldlens1@...
WB6KBL

44184. Re: [DrakeRadio] T-4XB Sidetone/Tune Oscillator Not Oscillating

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 21:11:36 UTC
From: Ryan Scott
Topic: 44179 Message: 44184

HI Richard,
Good advice. I just went and checked that, and no oscillation signal seen from the plate of V9A, and also the sidetone jack on the back.... Switch looks to be original and not messed with..
Thanks,Ryan
On Sunday, April 15, 2018, 1:55:41 PM PDT, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

    I am curious if you get side tone in CW. Its the same
oscillator. If you do I suspect the switch or wiring.

On 4/15/2018 1:29 PM, Ryan Scott tweeker42000@...
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> Thanks and Regards,
> Ryan
> N7QJ

--
Richard Knoppow
1oldlens1@ix.netcom.com
WB6KBL

Yahoo Groups Links

44185. Re: [DrakeRadio] GOT MY TWINS BACK ON THE DESK

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 21:35:47 UTC
From: Jim Shorney
Topic: 44167 Message: 44185

Interestingly, I went through some mic comparisons one time on my TR-7 with a couple of locals who know my voice well and I trust to give an honest assesment. Several mics were compared, including but not limited to varous Turner and E-V ceramics, unamplified D-104, Drake 7077, and Shure 444. My voice has a very high LF content and is very "peaky". I was surprised to find that the dark horse (which I almost did not enter into the race) Turner +3 was judged to sound the best with my voice, just edging out the D-104swith the other various ceramics in the middle of the pack. The 7077 was dead last, although the 444 did almost as well as the ceramics.

What that says about whether or not they like my voice I can't say... :)

73

-Jim
NU0C

On Sun, 15 Apr 2018 13:48:41 -0700, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:

> Congratulations on getting this very fine rig back in action.
> A Shure 444 is NOT going t mellow out the audio. It has a
>peak even larger than the D-104. A flatter mic will help a lot. I
>use an Electro-Voice 664 but there are others that are good. A
>cardioid helps to cut down background noise and make the job of
>the anti-vox easier. You don't need an amplified mic with this rig.
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>1oldlens1@...
>WB6KBL
>
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>------------------------------------
>
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>
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>
>Yahoo Groups Links
>
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The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris, "The Doctor's Wife"

44186. TR-4C Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 21:21:31 UTC
From: ke4vbg@...
Topic: 44186 Message: 44186

Hello

Just joined the group. I recently picked up a TR-4C Ser.No. 39500 that has several ruptured resistors that are not readily identifiable. I have gone through a lot of diagrams for the C series and haven't found one that matches mine. I need one of Garey Barrel's CD for the TR-4C but he has passed away. Any help would be appreciated. I have sharp pictures of the parts. I think I have solved a couple from other schematics, but 2 are still questionable.

44187. Re: [DrakeRadio] GOT MY TWINS BACK ON THE DESK

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 22:04:54 UTC
From: Paul Kraemer
Topic: 44167 Message: 44187

My vote is for the high Z version of Electro Voice 619.
Dynamic mic with broadcast quality flat spectrum.
I use it on 4 line and S line with great reports.
Heath used it with their logo on it but built for them by EV.
It and the lo Z version wins the contest here every time. Of course you
have to use the appropriate hi or lo Z depending on what the rig requires.
Paul K0UYA

-----Original Message-----
From: Richard Knoppow 1oldlens1@... [DrakeRadio]
Sent: Sunday, April 15, 2018 3:48 PM
To: DrakeRadio@yahoogroups.com ; ve3fmc@...
Subject: Re: [DrakeRadio] GOT MY TWINS BACK ON THE DESK

Congratulations on getting this very fine rig back in action.
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peak even larger than the D-104. A flatter mic will help a lot. I
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Keep in mind that the audio response is mostly determined by
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filters so the quality is not hi-fi. Changing the time constants
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Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

44189. Re: [DrakeRadio] GOT MY TWINS BACK ON THE DESK

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 23:28:34 UTC
From: Jim Shorney
Topic: 44167 Message: 44189

In the end it depends on your operating style. If you like rag chewing and armchair copy contacts go with the flat mics. If you chase DX and weak signals the peaky ceramics will likey serve better.

73

-Jim
NU0C

On Sun, 15 Apr 2018 17:04:54 -0500, 'Paul Kraemer' elespe@... [DrakeRadio] wrote:

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>> 73, Rick VE3PP
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"Life is too short for QRP" - ETO Alpha

"DeciBels were invented to give QRPers a false sense of smugness" - NU0C
"QRO is a public service" - NU0C

44190. Re: [DrakeRadio] Noticed a strange thing...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-15 23:56:20 UTC
From: MadScientist1948
Topic: 44174 Message: 44190

I would certainly agree that this particular case of “Last One” is pushing the ethics envelope.

That assessment is strongly confirmed by the fact that the same seller has a different listing number, same item, same “Last One” claim.

Eve tough the item might be a good calibrator, I’d look elsewhere for it just because the selling technique stinks.

One rare occasions, I have posted a “Last Item” listing, but only when I believed it was truly the last one I had. Very rarely, in my rather huge pile, I may later find another. However, my approach to that situation is to make it clear that the new listing was for another one that I had either found or had purchased at a swap meet or similar.

Having two listings for the same piece, calling both “Last One” goes well beyond what I consider acceptable.

IMHO. for what it’s worth.

Gary

PS: Unless someone strongly feels that I am incorrect on this assessment, perhaps this thread should end with this posting...

> On Apr 15, 2018, at 3:53 PM, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Reminds me of the New York stores with "Going out of
> Business" signs that were so old they were falling apart.
>
> On 4/15/2018 11:47 AM, 'ROLYNN PRECHTL' k7dfw@clatskanie.com
> [DrakeRadio] wrote:
>> The "Last One" sales strategy has been going on for some time now.
>>
>> It prompts a buyer into purchasing when they think there will be no more available.
>>
>>
>> RP
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>
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> Yahoo Groups Links
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44191. Re: [DrakeRadio] GOT MY TWINS BACK ON THE DESK [2 Attachments]

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 00:05:02 UTC
From: Steve Wedge
Topic: 44167 Message: 44191

Looking good, Rick!

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Apr 15, 2018 at 12:02 PM, ve3fmc@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> I now have my TX-4B, R-4C and MS-4 back on the operating desk.
>
> I ordered the PS rebuild kit from Nationwide Radio and Mark was great to
> deal with. Fast shipping and a very fair shipping rate to Canada.
>
> I had a good friend of mine who has been a ham for over 50 years do the
> work on the Twins. Bill VE3NH has repaired old tube gear and modern radios
> for years. I know I can trust him to repair things properly.
>
> First thing he did was rebuild the PS with the kit. He told me he has
> rebuilt Drake PS in the past and the kit I had bought was one of the best
> he has used.
>
> Once he was done the installation he checked the voltages, all was well.
>
> Then he moved to the TX-4B which had an intermittent power dropout
> problem. Turns out it was the relay that supplies the bias voltage to the
> finals and the 6EV7 tube causing that problem. He cleaned up the relay, and
> then he cleaned up all the controls, tube sockets etc.
>
> Problem solved.
>
> So I wanted to thank everyone who emailed me with tips and hints on what
> would solve the issues I was having.
> I received a few emails from members of this group that were of great
> help. Thanks Guys!
>
> Now I am waiting to hear back from a couple of guys with regards to a
> couple of Shure 444's and a Shure 450 mic. I am currently using a Turner
> Plus 3 amplified mic that came with the Twins. Needless to say I need to
> "Mellow out the audio" So the Shure's should help with that.
>
> I also tested the TR-4 I had bought back in early February once I got the
> rebuilt PS back home. It works fine too. So now I have two Drake stations I

> can operate.
>
> Also during the time the Twins were on the repair bench I managed to grab
> a VE3 2X2 call. There are no VE3 or VA3 2x2 calls available. The only way
> one becomes available is if someone moves out of the province (which was
> how I got mine) or someone becomes a SK and Industry Canada is notified of
> the death of the ham who held the call.
>
> So I lucked out, worked together with the guy who was moving out of
> Ontario and got his call. Needless to say there are some jealous hams in
> Ontario who have tried to get a 2X2 call and none are available!
>
> Again, thanks to everyone who offered tips, hints and suggestions when I
> had the problem with the Twins.
>
>
>
> 73, Rick VE3PP
>
>
>
>

44192. Re: [DrakeRadio] GOT MY TWINS BACK ON THE DESK [2 Attachments]

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 00:08:51 UTC
From: Steve Wedge
Topic: 44167 Message: 44192

BTW, I have a Drake-branded Turner (model 7075) - which I believe were around during the last of the TR-4C / CW's, as I got it with my pristine TR-4CW. It's non-amplified. Looks exactly the same as yours, with no switch and no pot (and it has a Drake brand on it), so they should work with the rigs without the preamp.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, Apr 15, 2018 at 8:05 PM, Steve Wedge <steve27302@...> wrote:

> Looking good, Rick!
>
> Steve Wedge, W1ES/4
>
> Time flies like an arrow; fruit flies like a banana.
>
> On Sun, Apr 15, 2018 at 12:02 PM, ve3fmc@... [DrakeRadio] <
> DrakeRadio@yahoogroups.com> wrote:
>
>>
>>
>> I now have my TX-4B, R-4C and MS-4 back on the operating desk.
>>
>> I ordered the PS rebuild kit from Nationwide Radio and Mark was great to
>> deal with. Fast shipping and a very fair shipping rate to Canada.
>>
>> I had a good friend of mine who has been a ham for over 50 years do the
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>> First thing he did was rebuild the PS with the kit. He told me he has
>> rebuilt Drake PS in the past and the kit I had bought was one of the best
>> he has used.
>>
>> Once he was done the installation he checked the voltages, all was well.
>>
>> Then he moved to the TX-4B which had an intermittent power dropout
>> problem. Turns out it was the relay that supplies the bias voltage to the
>> finals and the 6EV7 tube causing that problem. He cleaned up the relay, and
>> then he cleaned up all the controls, tube sockets etc.
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>> Problem solved.
>>

>> So I wanted to thank everyone who emailed me with tips and hints on what
>> would solve the issues I was having.
>> I received a few emails from members of this group that were of great
>> help. Thanks Guys!
>>
>> Now I am waiting to hear back from a couple of guys with regards to a
>> couple of Shure 444's and a Shure 450 mic. I am currently using a Turner
>> Plus 3 amplified mic that came with the Twins. Needless to say I need to
>> "Mellow out the audio" So the Shure's should help with that.
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>> I also tested the TR-4 I had bought back in early February once I got the
>> rebuilt PS back home. It works fine too. So now I have two Drake stations I
>> can operate.
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>> Also during the time the Twins were on the repair bench I managed to grab
>> a VE3 2X2 call. There are no VE3 or VA3 2x2 calls available. The only way
>> one becomes available is if someone moves out of the province (which was
>> how I got mine) or someone becomes a SK and Industry Canada is notified of
>> the death of the ham who held the call.
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>> So I lucked out, worked together with the guy who was moving out of
>> Ontario and got his call. Needless to say there are some jealous hams in
>> Ontario who have tried to get a 2X2 call and none are available!
>>
>> Again, thanks to everyone who offered tips, hints and suggestions when I
>> had the problem with the Twins.
>>
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>>
>> 73, Rick VE3PP
>>
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>>
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>

44193. Re: [DrakeRadio] Noticed a strange thing...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 01:49:32 UTC
From: Evan
Topic: 44174 Message: 44193

Yes, it is quite common.

-----Original Message-----
From: Barry n4buq@knology.net [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Sun, Apr 15, 2018 2:39 pm
Subject: [DrakeRadio] Noticed a strange thing...

I bought an item on eBay today that was advertised as having over 100 sold and "Last one" displayed in red. After I bought it, the ad stayed up with the number sold incremented and "Last one" still showing in red. I see that as the seller trying to induce a false sense of urgency in a buyer and don't really think it should be allowed. Anyone else seen this kind of thing going on there?

Thanks,
Barry - N4BUQ

44194. How to use Aviation headsets with Drake gear?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 04:43:12 UTC
From: Jim Pruitt
Topic: 44194 Message: 44194

Last weekend a David Clark aviation headset followed me home from a hamfest. The box says it is a HC10 but the paper says it is a M-1/DC or a DC-1 which I gather needs 6-28v for power and is a low impedance (carbon) mic. Has anyone used any of these av sets and how did you interface them or what adapter interface did you have to build to use it? I did some googling and one article mentioned a pair of articles (or hints and kinks) in a 2003 QST. I do not have access to those articles but see a couple other web sites and wonder if anyone has tried any of the methods and how they work.

I would like to use them with my T4XB/R4B and my TR7.

Thank you.

Jim Pruitt
WA7DUY

44195. Re: [DrakeRadio] How to use Aviation headsets with Drake gear?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 05:02:49 UTC
From: Jim Shorney
Topic: 44194 Message: 44195
Attachments: 1 described; binary payloads are missing from this source WARC

Assuming it is pretty standard attached is the schematic of the interface I built for my Telex Echelon 150 to use with my TR-7. By "standard" I mean you have a .210" 3 conductor plug for the mic and a 1/4" plug for the earphones. It's dead simple. The carbon mics are really electret these days. Bias is supplied by a 9V battery that should last forever (or at least the shelf life of the battery). Unless you have active noise cancelling earphones you don't need the ANC power output. The 50K pot adjusts the output level to be roughly equal to your normal mic. The mute ("cough") button is optional. Get a .210" "Collins" jack from eBay and you don't need to cut the .210" plug off that high dollar headset. :) You probably don't need a non-polarized blocking cap, I just used one because I could....

If yours really has a carbon element I would suggest that you replace it with an electret.

73

-Jim
NU0C

On Sun, 15 Apr 2018 21:43:12 -0700, Jim Pruitt jpruitt67@gmail.com [DrakeRadio] wrote:

>Last weekend a David Clark aviation headset followed me home from a
>hamfest.-? The box says it is a HC10 but the paper says it is a M-1/DC or
>a DC-1 which I gather needs 6-28v for power and is a low impedance
>(carbon) mic.-? Has anyone used any of these av sets and how did you
>interface them or what adapter interface did you have to build to use
>it?-? I did some googling and one article mentioned a pair of articles
>(or hints and kinks) in a 2003 QST.-? I do not have access to those
>articles but see a couple other web sites and wonder if anyone has tried
>any of the methods and how they work.
>
>I would like to use them with my T4XB/R4B and my TR7.
>
>Thank you.
>
>Jim Pruitt
>WA7DUY
>
>

--
Ham Radio NU0C
Lincoln, Nebraska, U.S.S.A.

TR7/RV7/R7A/L7, TR6/RV6, T4XC/R4C/L4B, NCL2000, SB104A, R390A, GT550A/RV550A, HyGain 3750, IBM PS/2 - all vintage, all the time!

"Give a man a URL and he will learn for an hour. Teach him to Google and he will learn for a lifetime."

HyGain 3750 User's Group - http://groups.yahoo.com/group/HyGain_3750/
http://incolor.inetnebr.com/jshorney
http://www.nebraskaghosts.org

44196. Re: [DrakeRadio] B-Line Side Tone Misery

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 13:46:21 UTC
From: Tom Hellem
Topic: 43870 Message: 44196

Hey Richard-
Just as an update, I put in the sidetone mod mentioned in Garey's
CD over the weekend. As far as I can discern, there is not much difference
in the sound of it compared to the original. So chalk that one up as a dud.

I have at least figured out that it's the high (1000 hz) pitch that is
bothering
me. I am used to listening to my own sending at around 650. I wish Drake
would have given us a way to make it variable. But maybe that technology
just hadn't been developed "way back then".

I still love the B-Line. Next I am going to tackle the alignment when I
decide
which signal generator to buy.

Keep on keepin' on.

Tom
K0SN

On Thu, Mar 22, 2018 at 3:14 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

> The "preferred" CW tone seems to have been right around 1000
> Hz from the beginning except for rotary spark which was usually
> around 500 hz. One of the earliest patents for headphones gives
> the reason for using 1000 hz as the resonance as its being about
> the center of maximum sensitivity of the ear. USP 1273351, the
> familiar Western Electric type.
> I personally find that being able to vary the frequency is
> helpful in keeping my ear from becoming fatigued. However, I
> think the side tone was something of a makeshift included as a
> sales feature. Making it variable in frequency would have
> complicated it too much. Drake did make the level independent of
> the anti-vox in the C line. The main advantage of having a side
> tone is when you are working with send and receive on different
> frequencies. Otherwise you can monitor your tranmission by
> turning the muting off and turning the anti-vox all the way down
> or disconnecting it, a bother. You can use a keyer but I never
> liked keyers. If you can sample the RF you can also use a simple
> code-practice oscillator. Some, like the Bud Codemaster, were
> arranged for this purpose but assumed you could get to keyed RF
> easily. Another problem with a keyer or the practice oscillator
> is mixing the output with the receiver when one is using
> headphones. Probably not a big deal but one more thing to worry
> about.

> I am not sure how good a waveform the T4 internal oscillator
> produces, I never bothered to look at it on a scope and my good
> scope is waiting for me to fix it. Mine sounds like its putting
> out something like a sawtooth, lots of harmonics, but gets better
> as the level is lowered. Its possible the distortion is taking
> place in the audio output stage in some odd way. FWIW, the
> waveform out of my Bud Codemaster is not exactly pure either.
> I doubt if spark transmitters needed side tone, they weren't
> called rock crushers for nothing.
>
> On 3/22/2018 1:33 PM, Steve Wedge wrote:
> > I looked into this years ago and the bottom line was that it
> > really wasn't worth the trouble. Get a keyer with an adjustable
> > sidetone or learn to live with the "personality". The tone
> > doesn't really match the pitch but it's close. For some reason,
> > hams back then apparently thought that 800-1000 Hz was a nice
> > pitch to listen to.
> >
> > 73,
> >
> >
> > Steve Wedge, W1ES/4
> >
> > Time flies like an arrow; fruit flies like a banana.
> >
> > On Thu, Mar 22, 2018 at 2:54 PM, Richard Knoppow
> > 1oldlens1@... <mailto:1oldlens1@...>
> > [DrakeRadio] <DrakeRadio@yahoogroups.com
> > <mailto:DrakeRadio@yahoogroups.com>> wrote:
> >
> > The side tone is the same oscillator arrangement used for
> > Tune. The tone is fed directly into the primary of the R4B output
> > transformer through a decoupling cap. This is the same line as
> > used for Anti-Vox and the level is controlled by the same pot
> > that adjusts the anti-vox. That means that most of the time you
> > must change the setting of the anti-vox pot when going between CW
> > and phone.
> > I hear the same thing on my Twins, the side tone sounds
> > distorted but gets better when the level is reduced.
> > I thought I saw a mod to address this but the only one I
> > could find was for eliminating side tone in standby on the T4C. I
> > looked at my files on Drake stuff and will again but could not
> > find another mod.
> > I think in the C line there is a separate adjustment for
> > side
> > tone level but the source is the same.
> > On 3/22/2018 6:22 AM, tom.hellem@...
> > <mailto:tom.hellem@...> [DrakeRadio] wrote:
> > >
> > >

> > > Fellow Drakesters:
> > >
> > > The side tone on my recently resurrected B-Line sounds like a loud
> > >
> > > mosquito buzzing in my ear. It's pretty lame. I had a C-Line many
> > > years ago
> > >
> > > and if I remember correctly it was equally terrible.
> > >
> > > Anybody have a fix for this?
> > >
> > >
> > > Tom
> > >
> > > K0SN
> > >
> > > Missoula, MT
> > 1oldlens1@... <mailto:1oldlens1@...>
> > WB6KBL
> >
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> > ------------------------------------
> >
> > Yahoo Groups Links
> >
> >
> > (Yahoo! ID required)
> >
> > DrakeRadio-fullfeatured@yahoogroups.com
> > <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
> >
> >
> >
> >
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
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> Yahoo Groups Links
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44197. Speaker for the TR4c

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 17:10:57 UTC
From: jrmiller@...
Topic: 44197 Message: 44197

Rick, WA0UAY, first post to this group. I just acquired a nice TR4c and waiting for a microphone. Impressed with the receiver. I do not have the matching speaker and wanted to use my Yaesu SP-2000 speaker because of the selectable filters which are quite effective. It is an 8 ohm speaker and the Drake recommends a 4 ohm. The speaker did work but after reading some of the posts, I suspected the audio output was being compromised somewhat. I hooked up an old 8 ohm stereo speaker in parellel with the Yaesu speaker which should result in 4 ohms total presenting to the TR4c. Sure enough, the audio volume did increase and perhaps the clarity somewhat. Just thought I would post this to the guys for what it is worth. Thanks, Rick

44198. Re: [DrakeRadio] Speaker for the TR4c

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 17:54:55 UTC
From: Richard Knoppow
Topic: 44197 Message: 44198

The speaker impedance should not be very critical. Perhaps the Yeasu does not like running from the lower impedance but if it has passive filters they are probably more affected by the speaker rather than the source impedance. Also keep mind that the impedance rating for most speakers is a "nominal" one, usually at 400 Hz, in practice it varies over a wide range due to resonances in the speaker. If the speaker sounds good I would use it.
A side note; the standard for small speaker impedance has varied a lot over the years. At one time it was 3.2 ohms, the 4 ohms then 8 ohms. My RCA AR-88 wants a 2.5 ohm speaker but works fine with nearly anything I put on it.

On 4/16/2018 10:10 AM, jrmiller@... [DrakeRadio] wrote:
>
>
> Rick, WA0UAY, first post to this group. I just acquired a nice
> TR4c and waiting for a microphone. Impressed with the receiver. I
> do not have the matching speaker and wanted to use my Yaesu
> SP-2000 speaker because of the selectable filters which are quite
> effective. It is an 8 ohm speaker and the Drake recommends a 4
> ohm. The speaker did work but after reading some of the posts, I
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> hooked up an old 8 ohm stereo speaker in parellel with the Yaesu
> speaker which should result in 4 ohms total presenting to the
> TR4c. Sure enough, the audio volume did increase and perhaps the
> clarity somewhat. Just thought I would post this to the guys for
> what it is worth. Thanks, Rick
WB6KBL

44199. Re: [DrakeRadio] B-Line Side Tone Misery

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 18:10:12 UTC
From: Jim Wiley
Topic: 43870 Message: 44199

Tom -

You might want to look into the Elecraft XG2 (kit) signal generator. At only USD $90.00 it is a bare-bones test oscillator suitable for basic ham radio work. This kit would get you going for basic ham-radio testing, but it does have it's limitations, mostly in that does not offer full band coverage, just spot frequencies (3)in the 80, 40, and 20 meter bands, but that might be all you really need.

A viable alternative would be a used but checked out -HP- (Hewlett-Packard) 8640B, typically in theseveral hundred to perhaps $1500 range, but unless you are running a service shop or just want some truly professional grade test gear, the Elecraft kit may do what you need. But be careful, professional grade test gear is a bit like eating peanuts, you get hooked and pretty soon you have a small fortune tied up.

You have been warned!

- Jim, KL7 CC

On 4/16/2018 5:46 AM, Tom Hellem tom.hellem@... [DrakeRadio] wrote:
> Hey Richard-
> Just as an update, I put in the sidetone mod mentioned in Garey's
> CD over the weekend. As far as I can discern, there is not much difference
> in the sound of it compared to the original. So chalk that one up as a
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> just hadn't been developed "way back then".
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> I decide
> which signal generator to buy.
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> Keep on keepin' on.
>
> Tom
> K0SN
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>
> On Thu, Mar 22, 2018 at 3:14 PM, Richard Knoppow
> 1oldlens1@... <mailto:1oldlens1@...> [DrakeRadio]
> <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:

>
>   The "preferred" CW tone seems to have been right around 1000
> Hz from the beginning except for rotary spark which was usually
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> > hams back then apparently thought that 800-1000 Hz was a nice
> > pitch to listen to.
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> > > 73,
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> > > Steve Wedge, W1ES/4
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> > > Time flies like an arrow; fruit flies like a banana.
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> > > On Thu, Mar 22, 2018 at 2:54 PM, Richard Knoppow

> > 1oldlens1@... <mailto:1oldlens1@...>
> <mailto:1oldlens1@... <mailto:1oldlens1@...>>
> > [DrakeRadio] <DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>
> > <mailto:DrakeRadio@yahoogroups.com
> <mailto:DrakeRadio@yahoogroups.com>>> wrote:
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> >   The side tone is the same oscillator arrangement used for
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> >   transformer through a decoupling cap. This is the same line as
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> >   must change the setting of the anti-vox pot when going
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> >   and phone.
> >   I hear the same thing on my Twins, the side tone sounds
> >   distorted but gets better when the level is reduced..
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> >   could find was for eliminating side tone in standby on the
> T4C. I
> >   looked at my files on Drake stuff and will again but could not
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> >   I think in the C line there is a separate adjustment for
> >   side
> >   tone level but the source is the same.
> >   On 3/22/2018 6:22 AM, tom.hellem@...
> <mailto:tom.hellem@...>
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> [DrakeRadio] wrote:
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> >   > Fellow Drakesters:
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> >   > The side tone on my recently resurrected B-Line sounds
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> C-Line many
> >   > years ago
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> >   > and if I remember correctly it was equally terrible.
> >   >
> >   > Anybody have a fix for this?
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> >   >
> >   > Tom
> >   >
> >   > K0SN
> >   >

> >   > Missoula, MT
> > 1oldlens1@... <mailto:1oldlens1@...>
> <mailto:1oldlens1@... <mailto:1oldlens1@...>>
> >   WB6KBL
> >
> >
> >   ------------------------------------
> >
> >   ------------------------------------
> >
> >
> >   ------------------------------------
> >
> >   Yahoo Groups Links
> >
> >
> >   (Yahoo! ID required)
> >
> > DrakeRadio-fullfeatured@yahoogroups.com
> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
> >   <mailto:DrakeRadio-fullfeatured@yahoogroups.com
> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>>
> >
> >
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> >
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> --
> Richard Knoppow
> 1oldlens1@... <mailto:1oldlens1@...>
> WB6KBL
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> Yahoo Groups Links
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>
>   (Yahoo! ID required)
>
> DrakeRadio-fullfeatured@yahoogroups.com
> <mailto:DrakeRadio-fullfeatured@yahoogroups.com>
>
>
>

>
>

44200. WTB

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 18:45:44 UTC
From: <w2ssx@...>
Topic: 18578 Message: 44200

WTB T4XB in excillent condition both cosmetically and electrically.

W2SSX@...

44201. Those who bought a 8KC AM filter from me...please contact me

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 21:07:35 UTC
From: Kc9cdt@...
Topic: 44201 Message: 44201

Hello to those couple guys that bought a R-4C 8KC AM filter from me.
I have been told that they were NOT 8KC AM filters, but 1st IF filters....
I did not know that....I checked the Freq and it looked like they were....so I made a mistake selling them as 8KC AM filters.

Those that bought one of those (paperwork is gone now on who) PLEASE let me know so I can refund your money...unless you want to keep them as spare 1st IF filters.

Thanks,
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

44202. Re: [DrakeRadio] Those who bought a 8KC AM filter from me...please contact me

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 21:16:50 UTC
From: rar100
Topic: 44201 Message: 44202

Lee,

I got one from you a few weeks ago. I’ve been busy and finally got around to looking at it closely, and your right, 1st IF

Rick
W9WS

> On Apr 16, 2018, at 4:07 PM, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Hello to those couple guys that bought a R-4C 8KC AM filter from me.
>
> I have been told that they were NOT 8KC AM filters, but 1st IF filters....
> I did not know that....I checked the Freq and it looked like they were....so I made a mistake selling them as 8KC AM filters.
>
> Those that bought one of those (paperwork is gone now on who) PLEASE let me know so I can refund your money...unless you want to keep them as spare 1st IF filters.
>
> Thanks,
> 73,
> Lee
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 Cell
>
>

44203. Re: [DrakeRadio] Those who bought a 8KC AM filter from me...please contact me

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 21:35:24 UTC
From: Ronnie Hull
Topic: 44201 Message: 44203

Yep I bought one
Ronnie W5SUM

Sent from my iPhone

> On Apr 16, 2018, at 4:07 PM, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Lee

44204. HS-1661 Speaker for the TR4C 04/16/18

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 21:45:24 UTC
From: WD8ARZ
Topic: 44197 Message: 44204

Have several of the Heath kit HS-1661 speaker. It tailors the audio to about 200-4000hz which is the audio range for voice comms. Also helps reduce the storm static ear over load. 73 from Bill / WD8ARZ in N.W. Indiana

https://www.radiomuseum.org/r/heath_hs_1661_hs166.html

44205. Aviation headsets

Yahoo group: DrakeRadio (2018)
Date: 2018-04-16 22:34:56 UTC
From: KA9EGW
Topic: 44205 Message: 44205

I run a David Clark helicopter headset retrofitted with a David Clark M-1/DC amplified dynamic mic. On my (non-Drake) radio 8VDC is available at a spare pin on the mic jack and 470 ohms from that pin to mic high is somewhere between too little resistance and about right. Mic low goes to ground. The gain pot on the mic is set to minimum and on the radio mic gain is set at about 9 o'clock.
The adapter to get from the oddball 4-conductor helicopter plug to 1/4" phone for Rx audio and .206 (pl-068?) for Rx audio I bought from an online pilot shop.
NOTE: I wouldn't hook 9v direct to the element without a dropping resistor for fear of frying the mic element.
David Clark tech support was most helpful with this.

73 de Brian KA9EGW
Sent from my device that creates typos

44206. 2-NT power transformer

Yahoo group: DrakeRadio (2018)
Date: 2018-04-17 00:04:38 UTC
From: rogerc2288@...
Topic: 44206 Message: 44206

I am looking for a power transformer for a 2-NT transmitter. Does anyone have one for sale?

Roger,K9VP

44207. Re: [DrakeRadio] 2-NT power transformer

Yahoo group: DrakeRadio (2018)
Date: 2018-04-17 01:08:37 UTC
From: Lee Bahr
Topic: 44206 Message: 44207

I had a nice new one wound by Heyboer Transformer for mine. If you
can't find one I know they know how to make one for you.

Lee, w0vt, w5drc

On 4/16/2018 7:04 PM, rogerc2288@... [DrakeRadio] wrote:
>
> I am looking for a power transformer for a 2-NT transmitter. Does
> anyone have one for sale?
>
>
> Roger,K9VP
>
>

44208. Re: [DrakeRadio] TR4C DRAKE PARTING OUT

Yahoo group: DrakeRadio (2018)
Date: 2018-04-17 01:23:05 UTC
From: aa1xd@...
Topic: 43992 Message: 44208

Any chance that you might have the 2 position sideband switch? I am looking for one for my TR-4
Thank You
Gene

44209. TR-4 SIDEBAND SWITCH

Yahoo group: DrakeRadio (2018)
Date: 2018-04-17 01:14:32 UTC
From: aa1xd@...
Topic: 44209 Message: 44209

Hello. I am new to the group and am hoping that some of you out there can help me find a part for a TR-4 I am working on. I am looking for a 2 position sideband switch. I am repairing one for a friend and the contacts have been overheated and have lost their ability to maintain contact. And they are very discolored. I have tried cleaning and burnishing them but it only last a short while before the problem reappears. Replacing the switch is my only option.
Are there any good part suppliers for these old Drakes out there?
Any help is greatly appreciated
Thank You
Gene

44210. Re: TR-4C Parts List

Yahoo group: DrakeRadio (2018)
Date: 2018-04-17 01:40:05 UTC
From: ke4vbg@...
Topic: 44186 Message: 44210

I located a good schematic and replaced the 4 resistors, R168 a 100 ohm going to the Meter Zero pot, R76 a 100 ohm to T I5, R?? a 27 ohm going to K1 Relay coil (not used on some models), and a 47 ohm behind the audio transformer. I had also replaced R187 Meter Sensitivity that had melted pretty good. On power up the R187 started to heat up quickly and smoke. Do not detect a low ohm short to ground.

44211. Re: [DrakeRadio] T-4XB Sidetone/Tune Oscillator Not Oscillating

Yahoo group: DrakeRadio (2018)
Date: 2018-04-17 09:39:42 UTC
From: Louis Giovannetti
Topic: 44179 Message: 44211

There is a tone

On Sunday, April 15, 2018 3:55 PM, "Richard Knoppow 1oldlens1@... [DrakeRadio]" <DrakeRadio@...m> wrote:

    I am curious if you get side tone in CW. Its the same oscillator. If you do I suspect the switch or wiring.

On 4/15/2018 1:29 PM, Ryan Scott tweeker42000@... [DrakeRadio] wrote:
>
>
> Hello fellow group members:
>
> I've been working on a T-4XB XMTR the last 2 weekends. It had no
> output power in any mode. I managed to get things going where it
> works in SSB (both LSB/USB), AM, and CW. But for whatever
> reason, when in tune mode, V-9A which is set up as a 1kHz
> oscillator *will Not* oscillate. If I inject a 1kHz signal to
> the balanced modulator I can get RF power in tune. I traced the
> circuit (V-9A and B) and while in SSB, everything works as it
> should. But when S1C at the rear is switched to tune, which
> makes the connection from the output of the feedback network
> (R70-2, C126-8) to the grid of V9A, there is no oscillation.
>
> I had it on most of the day yesterday, and it actually started to
> oscillate if you would key the mic in SSB mode, speak, and then
> switch to tune. I had a nice 1kHz sine wave on the plate of
> V9A.. But this morning, after sitting all night, I'm back to no
> power (no sidetone) in tune mode.
>
> Here's what I have done so far:
>
> Replaced the .001 coupling caps C124 and C132.
> Replaced the entire feedback network (C126-8, R70-2)
> Loosened and re-tightened grounding screws on both boards
> associated with this circuit
> Verified value of R68 (3.3M pin 2 of V9), R75 (337k pin 1 of V9)
> Tried multiple 12AX7's for V9
> Cleaned tube socket, tightened screws of socket
> Bypassed the switch by jumpering the output of the feedback
> network to C124.
>
> The bias is off a bit on Pin 2 (-0.5V,) and Pin 1 (75V) so it
> appears the tube is hard turned on. When it did oscillate, the
> voltage on the grid was -1.0V, and the plate voltage when up.

>
> My interpretation of the circuit is while in tune mode, V9A is
> the oscillator, and V9B is the amplifier. These are connected
> through a 6.8M resistor (also verified) so as not to load the
> oscillator. Am I missing anything on this?
>
> Anyone seen this? I've been through about everything in this
> part of V9 and I'm coming up empty handed.... I've attached a
> picture of the section of V9 blown up so it's easier to read.
>
> I tried searching the messages in the group for similar issues,
> but what a terrible interface... So, I'm reaching out in hopes
> that someone may have seen this issue.
>
> Lastly, it was sad to hear of Garey's recent passing. He helped
> me troubleshoot another T4XB when I first stared with Drakes. I
> purchased his CD many years ago, but this was the first time I
> used it while servicing this thing. That information alone saved
> me several hours of trying to figure out where all the components
> were.
>
> Thanks and Regards,
> Ryan
> N7QJ

--
Richard Knoppow
1oldlens1@...
WB6KBL

Yahoo Groups Links

44212. Re: Noticed a strange thing...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-17 11:05:13 UTC
From: Brian Allen
Topic: 44174 Message: 44212

yeah, I agree, saying "last one" when there plenty on hand is shady at best. However,, 'Last one' would push some over that was riding the fence on making the purchase. Been a ham since 84, the majority of hams I have met through the years are outstanding individuals, then there are the stinkers.
kb4mng

44213. TR-4 MIC WIRING

Yahoo group: DrakeRadio (2018)
Date: 2018-04-17 17:14:21 UTC
From: grantshorten@...
Topic: 44213 Message: 44213

How to wire a 50's Turner 2 wire mic to 3 contact Drake-Collins connector.

Thanks for replies.

44214. Re: [DrakeRadio] TR-4 MIC WIRING

Yahoo group: DrakeRadio (2018)
Date: 2018-04-17 17:27:18 UTC
From: amfone
Topic: 44213 Message: 44214

Audio and ground. You will have to switch from transmit to receive with a different switch.

On Tuesday, April 17, 2018, 1:22:05 PM EDT, grantshorten@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

How to wire a 50's Turner 2 wire mic to 3 contact Drake-Collins connector.

Thanks for replies.

44215. Re: [DrakeRadio] TR-4 MIC WIRING

Yahoo group: DrakeRadio (2018)
Date: 2018-04-17 17:30:06 UTC
From: Richard Knoppow
Topic: 44213 Message: 44215

The high side of the mic goes to the ring, the ground or
shield goes to the sleeve.
The tip of the connector is for the push to talk, the other side
goes to the sleeve.

On 4/17/2018 10:14 AM, grantshorten@... [DrakeRadio] wrote:
>
>
> How to wire a 50's Turner 2 wire mic to 3 contact Drake-Collins
> connector.
>
> Thanks for replies.

--
Richard Knoppow
1oldlens1@...
WB6KBL

44216. Re: [DrakeRadio] TR-4 MIC WIRING

Yahoo group: DrakeRadio (2018)
Date: 2018-04-17 17:36:05 UTC
From: Ken Winterling
Topic: 44213 Message: 44216

Grant,

Can you provide the exact Turner model, a picture, or a link to a picture
of the mic you have?

Ken
WA2LBI

On Tue, Apr 17, 2018 at 1:14 PM, grantshorten@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> How to wire a 50's Turner 2 wire mic to 3 contact Drake-Collins connector.
>
> Thanks for replies.
>
> ------------------------------
> Posted by: grantshorten@...
> ------------------------------
>
>

44217. Re: [DrakeRadio] TR-4 MIC WIRING

Yahoo group: DrakeRadio (2018)
Date: 2018-04-17 20:28:28 UTC
From: Douglas Glenn
Topic: 44213 Message: 44217

Does it have a model number?
Does the model number have a letter suffix? C usually meant a Ceramic element, R meant a carbon element, X means a crystal element.
Does the mike have a Push-To-Talk switch?
Does it have 2 wires only, or 2 wires plus a cable shield, or 1 wire plus a cable shield?

I still use a Turner 350C I bought in 1962.
Doug - K3ZMG

From: "Ken Winterling wa2lbi@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Tuesday, April 17, 2018 12:36 PM
To: "Dukes HiFi dukeshifi@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>, grantshorten@...
Subject: Re: [DrakeRadio] TR-4 MIC WIRING

Grant,
Can you provide the exact Turner model, a picture, or a link to a picture of the mic you have?

Ken
WA2LBI

On Tue, Apr 17, 2018 at 1:14 PM, grantshorten@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

How to wire a 50's Turner 2 wire mic to 3 contact Drake-Collins connector.
Thanks for replies.

Posted by: grantshorten@...

44218. TR-7 AUDIO LOWS

Yahoo group: DrakeRadio (2018)
Date: 2018-04-18 13:37:31 UTC
From: <todd@...>
Topic: 44218 Message: 44218

On both my TR-7's I have almost no low frequency audio (below 450 cycles). At 400 cps the audio level is -6db. I use both the Drake 7077 desk mic and the 7073DM hand mic with the same results. I have the SP-75 speech processor and get much better overall audio reports when I use it. Any ideas and suggestions will be appreciated. Thanks and 73,? Todd K1TOD

44219. Re: [DrakeRadio] TR-7 AUDIO LOWS

Yahoo group: DrakeRadio (2018)
Date: 2018-04-18 15:16:28 UTC
From: Joe Pyles
Topic: 44218 Message: 44219

If your using the stock 2.3 khz filter and the
radio is aligned properly, the carrier points are
250 hz down from the edge of the filter passband.
It should pass lows down to 250 hz and roll off
from there. If it's not then I would check the 10
volts first and adjust all of the crystals on the
PBT/REF board and then adjust the pots on the
power supply board per the service manual. Also I
have 2 SP75 speech processors and most of the
time they were prone to getting RF in the audio
and when they would work people would comment
about the lack of lows in the audio. They did
bring up the average power and would be good for
DX but for rag chewing it wasn't pleasant to
listen to. My 2 SP75s live in the closet on the shelf.

73, Joe Pyles KC9LAD

At 09:37 AM 4/18/2018, you wrote:
>
>
>On both my TR-7's I have almost no low frequency
>audio (below 450 cycles). At 400 cps the audio
>level is -6db. I use both the Drake 7077 desk
>mic and the 7073DM hand mic with the same
>results. I have the SP-75 speech processor and
>get much better overall audio reports when I use
>it. Any ideas and suggestions will be appreciated. Thanks and 73, Todd K1TOD
>

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http://www.avg.com

44220. Re: [DrakeRadio] TR-7 AUDIO LOWS

Yahoo group: DrakeRadio (2018)
Date: 2018-04-18 17:28:18 UTC
From: Richard Knoppow
Topic: 44218 Message: 44220

How are you measuring this (frequency response)?

On 4/18/2018 6:37 AM, todd@... [DrakeRadio] wrote:
>
>
> On both my TR-7's I have almost no low frequency audio (below 450
> cycles). At 400 cps the audio level is -6db. I use both the Drake
> 7077 desk mic and the 7073DM hand mic with the same results. I
> have the SP-75 speech processor and get much better overall audio
> reports when I use it. Any ideas and suggestions will be
> appreciated. Thanks and 73,? Todd K1TOD
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44221. Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-18 21:07:28 UTC
From: Barry
Topic: 44221 Message: 44221

I bought a solid-state calibrator that I'm going to use (in some form or another) for my 2B. I had grand plans on building an original-looking replacement calibrator but that may never happen so I decided to go this route - at least for now.

This particular unit can be powered from a DC supply ranging from 9V to 20V or it can take 6.3VAC. I know the accessory jack has 6.3VAC out and I'm considering using that; however, if I want the front panel switch to activate the calibrator, then I'd have to do some rewiring to use the heater voltage that way and I'm really, really not wanting to modify the radio.

One thing I'm considering doing is just build a resistive voltage divider for the B+ line and power it from that. Is that a particularly bad idea? The risk I see is if the larger value resistor were to short (or go way down in value for whatever reason), then it would destroy the calibrator but I'm also thinking that that may be a very small probability since that circuit will only be used when the calibrator is switched on which is a relatively small time as opposed to it being on all the time the radio is powered up.

If using the B+ that way is ill-advised, then I'm thinking I'll either just pull 6.3VAC from the jack and run it to a separate box containing the calibrator with an on/off switch or just make the calibrator a completely separate unit (kind of like the external Heathkit calibrators) and power it with a 9V battery or other power source (wall wart, etc.).

Thoughts? Suggestions?

Thanks,
Barry - N4BUQ

44222. Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-18 21:15:24 UTC
From: macymonkeys@...
Topic: 44222 Message: 44222

Several years ago I replaced the dial and S meter lights in my B line with those available from RadioLabWorks.com but was never really happy with the dark blue hue. Recently, I found a source for some frosted green no. 47 bayonet base bulbs that really hit the mark. Some of you may already know this source. At the very least, IMHO, these closer to the original green filter color I remember. Much brighter, too, than the blue RadioLabWorks LEDs. Easier on my old tired eyes. For those interested I have posted a picture of my B line with these new LED bulbs at the bottom of my QRZ.com page:

https://www.qrz.com/db/K7FD

The source for these frosted green LEDs is:

https://www.titanpinball.com/index.php?route=product/product&path=17&product_id=63

I have no connection with Titan Pinball. Just spreading the word if it helps someone else with LED bulb replacement for their B line.

73 John K7FD

44223. Re: [DrakeRadio] TR-7 AUDIO LOWS

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 01:42:31 UTC
From: Jim Shorney
Topic: 44218 Message: 44223

In addition to the critical adjustments that Joe referred to you may need to check the electrolytic coupling caps in the TX audio path on the Transmit Exciter PCB. One of them may have gone low in value over the years. Keeping in mind that this is a communications radio, not a hi-fi. There's only so much you can do.

74

-Jim
NU0C

On Wed, 18 Apr 2018 06:37:31 -0700, todd@... [DrakeRadio] wrote:

>On both my TR-7's I have almost no low frequency audio (below 450 cycles). At 400 cps the audio level is -6db. I use both the Drake 7077 desk mic and the 7073DM hand mic with the same results. I have the SP-75 speech processor and get much better overall audio reports when I use it. Any ideas and suggestions will be appreciated. Thanks and 73, Todd K1TOD

--
?There?s something out of place ? let?s go and poke it with a stick.? ? The Doctor, "Amy?s Choice"

44224. Re: [DrakeRadio] Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 02:48:04 UTC
From: alan victor
Topic: 44221 Message: 44224

Barry, I use an external calibrator. A homebrew affair that drives a pulse amplifier. The amplifier is Z matched to a small ferrite loop antenna and I broadcast that calibrator signal inside the shack. The 2B and Collins receiver, some homebrew receivers and others all pick up the cal signal. Hence, they all have calibrators! Alan

On Wednesday, April 18, 2018, 2:07:36 PM PDT, Barry n4buq@... [DrakeRadio] <DrakeRadio@...m> wrote:

I bought a solid-state calibrator that I'm going to use (in some form or another) for my 2B. I had grand plans on building an original-looking replacement calibrator but that may never happen so I decided to go this route - at least for now.

This particular unit can be powered from a DC supply ranging from 9V to 20V or it can take 6.3VAC. I know the accessory jack has 6.3VAC out and I'm considering using that; however, if I want the front panel switch to activate the calibrator, then I'd have to do some rewiring to use the heater voltage that way and I'm really, really not wanting to modify the radio.

One thing I'm considering doing is just build a resistive voltage divider for the B+ line and power it from that. Is that a particularly bad idea? The risk I see is if the larger value resistor were to short (or go way down in value for whatever reason), then it would destroy the calibrator but I'm also thinking that that may be a very small probability since that circuit will only be used when the calibrator is switched on which is a relatively small time as opposed to it being on all the time the radio is powered up.

If using the B+ that way is ill-advised, then I'm thinking I'll either just pull 6.3VAC from the jack and run it to a separate box containing the calibrator with an on/off switch or just make the calibrator a completely separate unit (kind of like the external Heathkit calibrators) and power it with a 9V battery or other power source (wall wart, etc.).

Thoughts? Suggestions?

Thanks,
Barry - N4BUQ

44225. "Drake" Microphone

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 02:53:52 UTC
From: Lee Underkofler
Topic: 44225 Message: 44225

I recently picked up a "DRAKE" microphone at a Ham fest.
The microphone turned out to be manufactured by Astatic. I can not find any clue of a "Drake" microphone on eBay or via searching on Google. Were these Astatic-Drake microphones common?
Leon (Lee) Underkofler W7MW

44226. Re: [DrakeRadio] "Drake" Microphone

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 03:02:52 UTC
From: MadScientist1948
Topic: 44225 Message: 44226

Astatic made the mikes bearing the Drake nameplate.

There was one for the “4” line and for the “7” line.

Gary

> On Apr 18, 2018, at 9:53 PM, Lee Underkofler lee.kofler@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> I recently picked up a "DRAKE" microphone at a Ham fest.
> The microphone turned out to be manufactured by Astatic. I can not find any clue of a "Drake" microphone on eBay or via searching on Google. Were these Astatic-Drake microphones common?
> Leon (Lee) Underkofler W7MW
>
>
>

44227. Re: [DrakeRadio] "Drake" Microphone

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 03:15:31 UTC
From: VE7PS
Topic: 44225 Message: 44227

Drake didn't actually make microphones that I am aware of, but they
branded and sold several models.

These come to mind;

Drake 729RD (RD = Robert Drake maybe?) desk mike- which looks like an
Electro-Voice as their 729SR.

7073DM - a hand mic - made in Japan apparently.
7075 - desk mike - which looks like a Turner Plus Three without the preamp.
7077 - definitely made by Astatic. Sold for the 5 and 7-lines.

And the 1525 EM tone encoding mic for the 2m FM rigs.

There were other small ones too, that sold with the TR-22 series radios,
probably also made in Japan.

73

Peter
VE7PS

On 4/18/2018 7:53 PM, Lee Underkofler lee.kofler@... [DrakeRadio]
wrote:
> I recently picked up a "DRAKE" microphone at a Ham fest.
> The microphone turned out to be manufactured by Astatic. I can not
> find any clue of a "Drake" microphone on eBay or via searching on
> Google. Were these Astatic-Drake microphones common?
> Leon (Lee) Underkofler W7MW
>
>

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44228. Want SP_75 End Caps

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 03:31:31 UTC
From: KL7AM
Topic: 44228 Message: 44228

Looking for the small end caps such as used on the SP-75. Buy outright or trade other Drake stuff (I have lots!)

Marty
KL7AM

44229. Re: [DrakeRadio] Want SP_75 End Caps

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 03:40:41 UTC
From: VE7PS
Topic: 44228 Message: 44229

Marty:

You might try Mike March, K4QU. He was making these a while back but
not sure of he still is supplying them....or not.

Mike March <mikek4qu@...>

73
Peter
VE7PS

On 4/18/2018 8:31 PM, KL7AM w7apm@... [DrakeRadio] wrote:
> Looking for the small end caps such as used on the SP-75. Buy outright
> or trade other Drake stuff (I have lots!)
>
> Marty
> KL7AM
>

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44230. Re: [DrakeRadio] Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 03:51:17 UTC
From: Jeffrey Angus
Topic: 44221 Message: 44230
Attachments: 1 described; binary payloads are missing from this source WARC

On 4/18/18 4:07 PM, Barry wrote:
> I bought a solid-state calibrator that I'm going to use (in some
> form or another) for my 2B.
There's a kit out there that uses a 1 MHz TTL crystal oscillator.
The rectify the 6.3vac filament for the power.
But turn it on/off with a small relay driven off of the switched B+

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44231. Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 05:02:14 UTC
From: cqdew1uo@...
Topic: 44221 Message: 44231

something like this maybe?
https://www.mouser.com/new/onsemiconductor/onsemi-ncp785a-regulators/

https://www.mouser.com/new/onsemiconductor/onsemi-ncp785a-regulators/
https://www.mouser.com/new/onsemiconductor/onsemi-ncp785a-regulators/

44232. Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 12:35:33 UTC
From: Barry
Topic: 44221 Message: 44232

I'd looked for something like that but didn't find anything and figured they didn't exist. That looks like a great solution!

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "cqdew1uo@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Thursday, April 19, 2018 12:02:14 AM
> Subject: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B
>
> something like this maybe?
> https://www.mouser.com/new/onsemiconductor/onsemi-ncp785a-regulators/
>
> https://www.mouser.com/new/onsemiconductor/onsemi-ncp785a-regulators/
> https://www.mouser.com/new/onsemiconductor/onsemi-ncp785a-regulators/

44233. Re: [DrakeRadio] Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 12:38:49 UTC
From: Barry
Topic: 44221 Message: 44233

I think that's the one I bought. I suppose adding the relay in between gives some isolation in case the B+ ever went wonky. In that case, all I'd lose is the relay.

I really like the linear regulator idea and I think that's what I'll go with (unless there are some drawbacks to using that in an RF environment, etc.). I don't suppose some hash/noise would really matter, though, even it did exist since it's only "on" when the calibrator is switched on.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Jeffrey Angus" <jdangus@...>
> To: DrakeRadio@yahoogroups.com, "Barry" <n4buq@...>
> Sent: Wednesday, April 18, 2018 10:51:17 PM
> Subject: Re: [DrakeRadio] Powering a Solid State calibrator for a 2B
>
> On 4/18/18 4:07 PM, Barry wrote:
> > I bought a solid-state calibrator that I'm going to use (in some
> > form or another) for my 2B.
> There's a kit out there that uses a 1 MHz TTL crystal oscillator.
> The rectify the 6.3vac filament for the power.
> But turn it on/off with a small relay driven off of the switched B+
>
>
>
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>

44234. Re: [DrakeRadio] Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 13:03:42 UTC
From: paulz67@...
Topic: 44221 Message: 44234

This is the route I recently went with when I added a calibrator to my 2C (thanks to your suggestion, I believe). I ran both the 125V and 6.3V lines through a 125V DPDT relay that I had in my junkbox, to power the calibrator board. I took all the connections from the calibrator socket on the chassis. The calibrator and relay are zip-tied to the nearest IF transformer can. Works slick!

Paul

44235. TR7 low freq. audio

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 13:11:30 UTC
From: <todd@...>
Topic: 44235 Message: 44235

Hello to everyone,

I have determined the problem was do to a combination of factors that made it very confusing to me. We can chalk it up to operator error.

I connected a Behringer mic, dsp and graphfic equalizer and bingo the audio lows showed up so the problem was not in the radios. When I connected the Drake mics directly to the radios there was a big improvement in the low end audio compaired to using the Drake speech processors. I think one of the processors is getting RF back into it when I crank the L7 up. The Drake processors make a big difference in the pentration power of my signal but the low end audio suffers.

Anyway I am releived that the radios are OK and I think I am headed in the right direction now.

Thanks so much to everyone for your comments and help. I was getting frustrated trying to figure out where the problem was.

73, Todd? K1TOD

44236. Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 13:25:11 UTC
From: Mark Gilger
Topic: 44222 Message: 44236

Here is what I use, from Titan Pinball. The blue works great.

https://www.titanpinball.com/index.php?route=product/product&product_id=65

73's,

Mark, WB0IQK

44237. Re: [DrakeRadio] Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 13:18:34 UTC
From: Barry
Topic: 44221 Message: 44237

The calibrator has a built-in regulator (it can take 9VDC to 20VDC input); however, I suppose adding one up front would give a bit of isolation in case something went wrong with the divider.

I'm still liking the HV to LV regulator...

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Curt Nixon" <captcurt@...>
> To: DrakeRadio@yahoogroups.com, "Barry" <n4buq@...>
> Sent: Thursday, April 19, 2018 7:58:14 AM
> Subject: Re: [DrakeRadio] Powering a Solid State calibrator for a 2B
>
> Hi Barry:
>
> I would probably do it that way but add a 3 pin regulator on the
> downstream side of the divider.
>
> Curt KU8L
>
> On 04/18/18 5:07 PM, Barry n4buq@... [DrakeRadio] wrote:
> >
> > I bought a solid-state calibrator that I'm going to use (in some form
> > or another) for my 2B. I had grand plans on building an
> > original-looking replacement calibrator but that may never happen so I
> > decided to go this route - at least for now.
> >
> > This particular unit can be powered from a DC supply ranging from 9V
> > to 20V or it can take 6.3VAC. I know the accessory jack has 6.3VAC out
> > and I'm considering using that; however, if I want the front panel
> > switch to activate the calibrator, then I'd have to do some rewiring
> > to use the heater voltage that way and I'm really, really not wanting
> > to modify the radio.
> >
> > One thing I'm considering doing is just build a resistive voltage
> > divider for the B+ line and power it from that. Is that a particularly
> > bad idea? The risk I see is if the larger value resistor were to short
> > (or go way down in value for whatever reason), then it would destroy
> > the calibrator but I'm also thinking that that may be a very small
> > probability since that circuit will only be used when the calibrator
> > is switched on which is a relatively small time as opposed to it being
> > on all the time the radio is powered up.
> >
> > If using the B+ that way is ill-advised, then I'm thinking I'll either

> > just pull 6.3VAC from the jack and run it to a separate box containing
> > the calibrator with an on/off switch or just make the calibrator a
> > completely separate unit (kind of like the external Heathkit
> > calibrators) and power it with a 9V battery or other power source
> > (wall wart, etc.).
> >
> > Thoughts? Suggestions?
> >
> > Thanks,
> > Barry - N4BUQ
> >
> >
>
>

44238. Re: [DrakeRadio] Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 14:19:33 UTC
From: wes Bolin
Topic: 44221 Message: 44238

Barry
I put a solid state calibrator in a 2B I owned and it worked fine. I used the 100KHz output only. I rectified 1/2 wave the filament voltage---using a high capacitance and a single diode. The CAL switch was wired to turn the calibrator off and on. My circuit was wired to control voltage to the calibrator, but yours may be different.

I put the circuit board above the calibrator socket with stand-offs. Wiring from the circuit board ran down through the socket holes to wiring below the chassis. It made
a neat installation although I did drill two small holes for #4 screws/stand-offs.

One good feature is you can unsolder wiring from the CAL switch as needed, wire your calibrator control, and later convert it easily back to original.

I hope I have given you ideas for your project. Have fun.
Wes

On Wed, Apr 18, 2018 at 4:07 PM, Barry n4buq@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

> I bought a solid-state calibrator that I'm going to use (in some form or
> another) for my 2B. I had grand plans on building an original-looking
> replacement calibrator but that may never happen so I decided to go this
> route - at least for now.
>
> This particular unit can be powered from a DC supply ranging from 9V to
> 20V or it can take 6.3VAC. I know the accessory jack has 6.3VAC out and
> I'm considering using that; however, if I want the front panel switch to
> activate the calibrator, then I'd have to do some rewiring to use the
> heater voltage that way and I'm really, really not wanting to modify the
> radio.
>
> One thing I'm considering doing is just build a resistive voltage divider
> for the B+ line and power it from that. Is that a particularly bad idea?
> The risk I see is if the larger value resistor were to short (or go way
> down in value for whatever reason), then it would destroy the calibrator
> but I'm also thinking that that may be a very small probability since that
> circuit will only be used when the calibrator is switched on which is a
> relatively small time as opposed to it being on all the time the radio is
> powered up.
>
> If using the B+ that way is ill-advised, then I'm thinking I'll either
> just pull 6.3VAC from the jack and run it to a separate box containing the
> calibrator with an on/off switch or just make the calibrator a completely

> separate unit (kind of like the external Heathkit calibrators) and power it
> with a 9V battery or other power source (wall wart, etc.).
>
> Thoughts? Suggestions?
>
> Thanks,
> Barry - N4BUQ
>
>
>
> ------------------------------------
> Posted by: Barry <n4buq@...>
> ------------------------------------
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> Yahoo Groups Links
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44239. Re: [DrakeRadio] TR7 low freq. audio

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 15:27:29 UTC
From: Joe Pyles
Topic: 44235 Message: 44239

I forgot to mention about when the SP75 is in
line even off it effects the sound of the radio,
takes away some of the transmit audio lower
frequencies. The input is not disconnected from
the input FET preamp when bypassed and I think
that causes problems with RF and tone even when it is off.

73, Joe Pyles KC9LAD

At 09:11 AM 4/19/2018, you wrote:
>
>
>Hello to everyone,
>
>I have determined the problem was do to a
>combination of factors that made it very
>confusing to me. We can chalk it up to operator error.
>
>I connected a Behringer mic, dsp and graphfic
>equalizer and bingo the audio lows showed up so
>the problem was not in the radios. When I
>connected the Drake mics directly to the radios
>there was a big improvement in the low end audio
>compaired to using the Drake speech processors.
>I think one of the processors is getting RF back
>into it when I crank the L7 up. The Drake
>processors make a big difference in the
>pentration power of my signal but the low end audio suffers.
>
>Anyway I am releived that the radios are OK and
>I think I am headed in the right direction now.
>
>Thanks so much to everyone for your comments and
>help. I was getting frustrated trying to figure out where the problem was.
>
>73, Todd K1TOD
>

This email has been checked for viruses by AVG.
http://www.avg.com

44240. Re: [DrakeRadio] Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 15:45:54 UTC
From: Jeffrey Angus
Topic: 44221 Message: 44240

The calibrator kit from Sunshine energy uses a 12vdc relay.
It takes about 10 mA from the switched B+ to operate.
A diode and capacitor on the filament line provides the
Vcc to the calibrator circuit which is switched on and off by
the relay, so the Cal position on the switch works without
any modifications.

Options on the calibrator include 100, 50 and 25 KHz
operation along with making it cycle on and off, which makes
it easy to identify when it's running.

The only drawback is the fixed frequency TTL crystal oscillator
package. The one I bought is off a little bit. This translates to
about 100 Hz or so at 7 MHz. Higher accuracy oscillators are
available at Mouser and others.

The one I have is already assembled, and works and has the
matching 4-pin plug on it.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44241. Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 18:12:01 UTC
From: Barry
Topic: 44221 Message: 44241

Hmmm. On second look, that can only supply about 10mA which, I think, will be insufficient for this application. Looks like I may have to go with another option.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Barry" <n4buq@...>
> To: DrakeRadio@yahoogroups.com, cqdew1uo@...
> Sent: Thursday, April 19, 2018 7:35:33 AM
> Subject: Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B
>
> I'd looked for something like that but didn't find anything and figured they
> didn't exist. That looks like a great solution!
>
> Thanks,
> Barry - N4BUQ
>

> > something like this maybe?
> > https://www.mouser.com/new/onsemiconductor/onsemi-ncp785a-regulators/
> >
> > https://www.mouser.com/new/onsemiconductor/onsemi-ncp785a-regulators/
> > https://www.mouser.com/new/onsemiconductor/onsemi-ncp785a-regulators/
>

44242. Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 18:05:06 UTC
From: Barry
Topic: 44221 Message: 44242

Hmmm. On second look, that can only supply about 10mA which, I think, will be insufficient for this application. Looks like I may have to go with another option.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "cqdew1uo@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Thursday, April 19, 2018 12:02:14 AM
> Subject: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B
>
> something like this maybe?
> https://www.mouser.com/new/onsemiconductor/onsemi-ncp785a-regulators/

44243. TR7 low freq. audio

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 18:29:38 UTC
From: <todd@...>
Topic: 44235 Message: 44243

Joe,

You are exactly right. I found that out by experimenting. You have to completely disconnect the SP75 not just turn it off.

I have set up one of my TR7's with the SP75 for DX, weak contacts, or pile ups when I need it The other TR7 has just the Drake mic (may be replaced with a Behringer Shark DSP, 9 band equalizer, boom mic with foot switch that I have)? plugged directly into the radio for rag chewing. I use a coax switch to select which radio is feeding the L7 which is connected to an MN2700. I select which antenna I am using on the MN2700. I use a pecker to tune up the L7. It seems to be working out pretty good so far.

73,? Todd? K1TOD

I forgot to mention about when the SP75 is in line even off it effects the sound of the radio, takes away some of the transmit audio lower frequencies. The input is not disconnected from the input FET preamp when bypassed and I think that causes problems with RF and tone even when it is off.

73, Joe Pyles KC9LAD

44244. Re: [DrakeRadio] TR7 low freq. audio

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 21:24:50 UTC
From: Richard Knoppow
Topic: 44235 Message: 44244

I suspected something like this, that's why I suggested feeding an oscillator directly into the mic input and measuring the actual frequency response.
I have written, maybe too much, to this list about why the speech spectrum is limited and shaped in communications. Lots of material in the technical and scientific literature going back to the 1920s when AT&T and Western Electric began publishing their research. Unfortunately there has been much misinterpretation of the findings. While amplitude limiting and bandwidth shaping can improve intelligibility under noisy conditions it actually reduces it under quiet conditions and IMO far too much is used. A lot of this material can be found in the _Bell System Technical Journal_ which is on line free from several sources including Archive.org. Some key names to look for are Irving Crandall and Harvey Fletcher. Very much newer research was done, I think right up to the present, but most of it is in publications like _The Journal of the Acoustical Society of America_ which are not so easily accessible and definitely not free. Bell System had a vested interest in good quality transmission of speech so extensive research was justified to them. More was done to find optimum standards for military communication. A very modest amount of processing can help make a speech signal more readable under noisy conditions but more is not necessarily better.

On 4/19/2018 11:29 AM, todd@... [DrakeRadio] wrote:
>
>
> Joe,
>
> You are exactly right. I found that out by experimenting. You
> have to completely disconnect the SP75 not just turn it off.

>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44245. Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-19 20:30:29 UTC
From: Jeffrey Angus
Topic: 44221 Message: 44245

On 4/19/18 1:05 PM, Barry wrote:
> Hmmm. On second look, that can only supply about 10mA
> which, I think, will be insufficient for this application.
> Looks like I may have to go with another option.

This is why the kit I have uses a relay on the B+ line.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44246. Re: [DrakeRadio] TR7 low freq. audio

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 01:21:47 UTC
From: Jim Shorney
Topic: 44235 Message: 44246

No, you haven't written too much IMO. This is what I was getting at. It needs to be reiterated that this is a communications radio and the manufacturer used techniques that effectively limit the lows and boost the mid/high to improve intelligibility over noisy HF circuits. It sounds to me like the system is working as it should.... :)

73

-Jim
NU0C

On Thu, 19 Apr 2018 14:24:50 -0700, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:

> I have written, maybe too much, to this list about why the
>speech spectrum is limited and shaped in communications.

--

"Good men don?t need rules. Today is not the day to find out why I have so many." - Doctor Who

44247. Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 02:06:01 UTC
From: Barry
Topic: 44221 Message: 44247

Finally got around to powering up the calibrator and it pulls about 20mA so that definitely won't work. Looks like I'll either go with a relay or a divider feeding a VR that can handle that much current.

On a nice note, the calibrator appears to be within 2 or 3Hz of WWV. Didn't expect that as the 1.000MHz oscillator is only spec'd at +/- 100ppm.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Jeffrey Angus jdangus@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com, "Barry" <n4buq@...>
> Sent: Thursday, April 19, 2018 3:30:29 PM
> Subject: Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B
>
> On 4/19/18 1:05 PM, Barry wrote:
> > Hmmm. On second look, that can only supply about 10mA
> > which, I think, will be insufficient for this application.
> > Looks like I may have to go with another option.
>
> This is why the kit I have uses a relay on the B+ line.
>
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>
>
> ------------------------------------
> Posted by: Jeffrey Angus <jdangus@...>
> ------------------------------------
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> Yahoo Groups Links
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44248. Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 02:35:37 UTC
From: garywinblad@...
Topic: 44221 Message: 44248

What kind of calibrator is it?

73,
Gary
WB6OGD

44249. Re: [DrakeRadio] TR7 low freq. audio

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 08:51:21 UTC
From: blumu
Topic: 44235 Message: 44249

I don't have a TR7, but if I had similar
audio response problems, I would attempt to widen
the internal response as suggested and add a variable
bandwidth audio filter/equaliser between mic and TX.
However : probably anathema to purists!

Michael 2E0IHW

PS : "...rules..." Ouch :-)
.....

> On Thu, 19 Apr 2018 14:24:50 -0700, Richard Knoppow 1oldlens1@...
> [DrakeRadio] wrote:
>
>> I have written, maybe too much, to this list about why the
>> speech spectrum is limited and shaped in communications.
....
> "Good men don’t need rules. Today is not the day to find out why I have so many." -
Doctor Who

44250. RE: [DrakeRadio] TR7 low freq. audio

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 11:55:08 UTC
From: <todd@...>
Topic: 44235 Message: 44250

Joe,

Are you or is anyone else aware of any kind of switching circuit that will completely disconnect and connect the SP75 from the TR7? As you stated just turning it off does not work. It is a pain disconnecting it and then reconnecting it without a switch. I guess I could build one but any input in advance would help.

73,? Todd? K1TOD

-------- Original Message --------
Subject: Re: [DrakeRadio] TR7 low freq. audio
From: Joe Pyles <epyles@...>
Date: Thu, April 19, 2018 11:27 am
To: DrakeRadio@yahoogroups.com,<todd@...>

I forgot to mention about when the SP75 is in line even off it effects the sound of the radio, takes away some of the transmit audio lower frequencies. The input is not disconnected from the input FET preamp when bypassed and I think that causes problems with RF and tone even when it is off.

73, Joe Pyles KC9LAD

At 09:11 AM 4/19/2018, you wrote:

?

Hello to everyone,

I have determined the problem was do to a combination of factors that made it very confusing to me. We can chalk it up to operator error.

I connected a Behringer mic, dsp and graphfic equalizer and bingo the audio lows showed up so the problem was not in the radios. When I connected the Drake mics directly to the radios there was a big improvement in the low end audio compaired to using the Drake speech processors. I think one of the processors is getting RF back into it when I crank the L7 up. The Drake processors make a big difference in the pentration power of my signal but the low end audio suffers.

Anyway I am releived that the radios are OK and I think I am headed in the right direction now.

Thanks so much to everyone for your comments and help. I was getting frustrated trying to figure out where the problem was.

73, Todd? K1TOD

(http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient)

Virus-free. www.avg.com (http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient)

44251. Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 13:16:58 UTC
From: Barry
Topic: 44221 Message: 44251

Hey Jeff,

Do you have a model number, part number, or other reference to the relay you used? The more I look at this, the more I'm thinking a relay may be the best option. I was looking at using a divider to drive a 12V regulator with around 20V but since the calibrator pulls 20mA, then the dividing resistors begin to become large (wattage-wise). Letting the relay draw only 8mA and the calibrator drain from the heater seems to make better sense. The only issue I have is the size of the relay but if a small-ish one can be found, then that wouldn't be an issue.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "Jeffrey Angus" <jdangus@...>
> To: "Curt Nixon" <captcurt@...>, DrakeRadio@yahoogroups.com, "Barry" <n4buq@knology.net>
> Sent: Friday, April 20, 2018 8:08:34 AM
> Subject: Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B
>
> On 4/20/18 7:52 AM, Curt Nixon wrote:
> > If you have to use a divider or other dropping device on the B+
> > line to power the relay? Or is it a HV coil?
> the relay is 12vdc, current requirement is around 8 mA, so a
> dropping resistor works fine.
> Roughly 14 K ohms.
> >
> > On 04/19/18 4:30 PM, Jeffrey Angus wrote:
> >>
> >> On 4/19/18 1:05 PM, Barry wrote:
> >> > Hmmm. On second look, that can only supply about 10mA
> >> > which, I think, will be insufficient for this application.
> >> > Looks like I may have to go with another option.
> >>
> >> This is why the kit I have uses a relay on the B+ line.--
> >>
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>

44252. Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 13:08:34 UTC
From: Jeffrey Angus
Topic: 44221 Message: 44252

On 4/20/18 7:52 AM, Curt Nixon wrote:
> If you have to use a divider or other dropping device on the B+
> line to power the relay? Or is it a HV coil?
the relay is 12vdc, current requirement is around 8 mA, so a
dropping resistor works fine.
Roughly 14 K ohms.
>
> On 04/19/18 4:30 PM, Jeffrey Angus wrote:
>>
>> On 4/19/18 1:05 PM, Barry wrote:
>> > Hmmm. On second look, that can only supply about 10mA
>> > which, I think, will be insufficient for this application.
>> > Looks like I may have to go with another option.
>>
>> This is why the kit I have uses a relay on the B+ line.--
>>
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44253. Re: 2-NT power transformer

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 11:48:53 UTC
From: polishvalentine@...
Topic: 44206 Message: 44253

I am also interested in a transformer for my 2-NT. It is still working but does not appear to be putting out the output it should. I am making arrangements to have someone "scope" the rig out. 73 vic wb2u

44254. Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 14:17:15 UTC
From: Jeffrey Angus
Topic: 44221 Message: 44254

On 4/20/18 8:08 AM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
> the relay is 12vdc, current requirement is around 8 mA, so a
> dropping resistor works fine.
> Roughly 14 K ohms.
Correction 3.0 mA, I posted the digikey part number

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44255. Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 14:28:21 UTC
From: Barry
Topic: 44221 Message: 44255

Yes, I noticed that from the DigiKey sheet. Nice. The ones I was finding pull considerably more current than that.

Curious, though, as that page shows this as a "latching" relay. I wouldn't think that's correct?

Thanks,
Barry - N4BUQ

> On 4/20/18 8:08 AM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
> > the relay is 12vdc, current requirement is around 8 mA, so a
> > dropping resistor works fine.
> > Roughly 14 K ohms.
> Correction 3.0 mA, I posted the digikey part number
>
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>

44256. Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 14:31:33 UTC
From: Jeffrey Angus
Topic: 44221 Message: 44256
Attachments: 1 described; binary payloads are missing from this source WARC

The instruction manual.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44257. Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 13:53:18 UTC
From: Jeffrey Angus
Topic: 44221 Message: 44257

On 4/20/18 8:16 AM, Barry wrote:
> Do you have a model number, part number, or other reference to
> the relay you used?
<https://www.digikey.com/products/en?keywords=255-1898-ND>

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44258. Re: [DrakeRadio] TR7 low freq. audio

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 14:37:40 UTC
From: Richard Knoppow
Topic: 44235 Message: 44258

The problem is that the frequency response of modern (last
fifty years) transmitters and receivers is usually established by
very steep filters. The response of the audio circuits feeding
them (in transmitters) or amplifying signals that have passed
through them is mostly not consequential. An additional filter
will narrow the response even further but won't widen it. In
this case the processor did the above.
I hear a lot of signals on the air that are so narrow they
are almost unintelligible. That comes from mis-set filters and a
mis-understanding of what processing is optimum.

On 4/20/2018 1:51 AM, blumu blumu@... [DrakeRadio] wrote:
> I don't have a TR7, but if I had similar
> audio response problems, I would attempt to widen
> the internal response as suggested and add a variable
> bandwidth audio filter/equaliser between mic and TX.
> However : probably anathema to purists!
>
> Michael 2E0IHW

--
Richard Knoppow
1oldlens1@...
WB6KBL

44259. Re: [DrakeRadio] Re: Powering a Solid State calibrator for a 2B

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 14:58:43 UTC
From: Jeffrey Angus
Topic: 44221 Message: 44259

On 4/20/18 9:28 AM, Barry wrote:
> Curious, though, as that page shows this as a "latching" relay.
> I wouldn't think that's correct?
Sorry, it is a latching relay, I missed that detail.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44260. WTB

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 15:30:00 UTC
From: <w2ssx@...>
Topic: 18578 Message: 44260

WTB TX4B and or R4B with copper chassis free of corrosion.

Thanks w2ssx@yahoo.com

44261. Re: [DrakeRadio] Re: 2-NT power transformer

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 16:03:31 UTC
From: MadScientist1948
Topic: 44206 Message: 44261

Unless it is running VERY hot, a transformer CANNOT our out less than it should.

You have a problem elsewhere, likely filter capacitors, that are not holding charge during their respective half cycles.

A capacitor input power supply, or a doubler supply, can only reach its specified output by holding the peak voltage that it sees during its charging cycle long enough for the next crest to reach it.

This charge retention must occur even when fully loaded.

Measure your voltages, then bridge in capacitors of appropriate value and voltage rating (and polarity correctly) and measure voltages again.

PS: If you are new at this, please don’t feel I am insulting you by warning you of shock hazards. Use good clip leads for the test capacitors and keep one hand in your back pocket while making measurements with your voltmeter.

Gary

> On Apr 20, 2018, at 6:48 AM, polishvalentine@yahoo.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I am also interested in a transformer for my 2-NT. It is still working but does not appear to be putting out the output it should. I am making arrangements to have someone "scope" the rig out. 73 vic wb2u
>
>

44262. RE: [DrakeRadio] WTB

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 15:44:48 UTC
From: Joe
Topic: 18578 Message: 44262

Heh.good luck..mung free copper B's are extremely hard to come by! L

Took me 3 years to find a set that was acceptable, and I paid a premium for them!

Joe - W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] WTB

WTB TX4B and or R4B with copper chassis free of corrosion.

Thanks w2ssx@...

44263. Re: [DrakeRadio] WTB

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 16:44:37 UTC
From: MadScientist1948
Topic: 18578 Message: 44263

Even if a B line were to have been stored in dry Nitrogen, the area around the fuse holder would STILL be corroded!

Best of luck, there are still a few nice ones out there, but “perfect” is not in the program.

Gary

> On Apr 20, 2018, at 10:44 AM, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Heh…good luck….mung free copper B’s are extremely hard to come by! L
>
>
>
> Took me 3 years to find a set that was acceptable, and I paid a premium for them!
>
>
>
> Joe – W7RKN
>
>
>
> From: DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com> [mailto:DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>]
> Subject: [DrakeRadio] WTB
>
>
>
>
>
>
>
>
> WTB TX4B and or R4B with copper chassis free of corrosion.
>
>
>
> Thanks w2ssx@... <mailto:w2ssx@...>
>
>
>
>
>

44264. Re: [DrakeRadio] TR7 low freq. audio

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 17:06:08 UTC
From: Jim Shorney
Topic: 44235 Message: 44264

I'm not a purist but I am a realist. I routinely chase weak signals with a modest antenna system. Audio tailored for intelligibility serves me better than flat audio. Having said that, I have received unsolicted compliments on my audio. I leave the SP-75 on pretty much all the time, only varying the clipping level.

I hear way too many mics on the air with the Swisss Army Knife radios that probably sound great on FM but are damn hard to pull out of the noise on HF. Sometimes I try to explain DX audio to them but they probably think I am just some bitchy old fart with lousy ears.

73

-Jim
NU0C

On Fri, 20 Apr 2018 09:51:21 +0100, blumu blumu@... [DrakeRadio] wrote:

>
>
>I don't have a TR7, but if I had similar
>audio response problems, I would attempt to widen
>the internal response as suggested and add a variable
>bandwidth audio filter/equaliser between mic and TX.
>However : probably anathema to purists!
>
>Michael 2E0IHW
>
>PS : "...rules..." Ouch :-)
>.....
>
>> On Thu, 19 Apr 2018 14:24:50 -0700, Richard Knoppow 1oldlens1@...
>> [DrakeRadio] wrote:
>>
>>> I have written, maybe too much, to this list about why the
>>> speech spectrum is limited and shaped in communications.
>.....
>> "Good men donG??t need rules. Today is not the day to find out why I have so many." - Doctor Who

--

"A deep understanding of reality is exactly the same thing as laziness." - Wally, "Dilbert"

44265. Re: [DrakeRadio] Drake stuff

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 19:40:54 UTC
From: Chgypsy@...
Topic: 44235 Message: 44265

Hi Jim,
Been a while.
Have a new right knee, left to do yet. Appears that I may have to move., cannot take care of house and other things.

Know anyone that might ????

Desire a TR7 and PS7 ? Functional, ...ok , I would have to reseat the boards its been since 2016. Maybe $400 plus ship.
What about a functioning R7? Thinking $700 and shipping....your thoughts?

Have a spare DR7, and one that has a flaky 2xxxx. digit , and TR7 PTO all aligned and ready to go.

Also have an MN4.....reasonable, wrong meter (from an MN2700), never got to it.
Then too, probably my HP 8640 B signal generator, yes functional, plain Jane.

-----Original Message-----
From: 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>

FWIW That still leaves my TR5 and TR7 station with there power supplies. PS75, MN 2000, MN7,
There is a myriad of other stuff, but.......Heathkit SB200 linear, functional, right now using with TR5.
Hate to think of the antennas and tower etc....Much less the other brand stuff...Heath and Icom come to mind.
If anyone is coming to Dayton in May (OK the Xenia Hamvention) sure something can be worked out.

Thanks for reading and your input. Thought of putting it on the list but I am unable to drive at at this time, to do shipping etc.
Carl WD8NHK West Carrollton (Dayton, OH suburb)

44266. Re: [DrakeRadio] TR7 low freq. audio

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 20:36:53 UTC
From: Joseph Mark Polinsky
Topic: 44235 Message: 44266

No, you are 100% spot on here... These guys are highly practiced at making each other insane with their bassy wide audio. Tuning them in on my 100% perfectly working R4C is a real exercise. Never used to have to touch the PBT control. Now I am fiddling with it all the time trying to find a happy medium between the "normal" bandwidth guys and the HIFI hosers...

JP

I'm not a purist but I am a realist. I routinely chase weak signals with a modest antenna system. Audio tailored for intelligibility serves me better than flat audio. Having said that, I have received unsolicted compliments on my audio. I leave the SP-75 on pretty much all the time, only varying the clipping level.

I hear way too many mics on the air with the Swisss Army Knife radios that probably sound great on FM but are damn hard to pull out of the noise on HF.. Sometimes I try to explain DX audio to them but they probably think I am just some bitchy old fart with lousy ears.

73

-Jim
NU0C

44267. Re: [DrakeRadio] TR7 low freq. audio

Yahoo group: DrakeRadio (2018)
Date: 2018-04-20 23:04:56 UTC
From: Jim Shorney
Topic: 44235 Message: 44267

Not just the hifi guys. It is a lot of "modern" radios with the hand mics they came with.

73

-Jim
NU0C

On Fri, 20 Apr 2018 20:36:53 +0000 (UTC), Joseph Mark Polinsky k7cbr@... [DrakeRadio] wrote:

>No, you are 100% spot on here... These guys are highly practiced at making each other insane with their bassy wide audio. Tuning them in on my 100% perfectly working R4C is a real exercise. Never used to have to touch the PBT control. Now I am fiddling with it all the time trying to find a happy medium between the "normal" bandwidth guys and the HIFI hosers...
>
>JP
>
>
>I'm not a purist but I am a realist. I routinely chase weak signals with a
>modest antenna system. Audio tailored for intelligibility serves me better than
>flat audio. Having said that, I have received unsolicted compliments on my
>audio. I leave the SP-75 on pretty much all the time, only varying the clipping
>level.
>
>I hear way too many mics on the air with the Swisss Army Knife radios that
>probably sound great on FM but are damn hard to pull out of the noise on HF..
>Sometimes I try to explain DX audio to them but they probably think I am just
>some bitchy old fart with lousy ears.
>
>73
>
>-Jim
>NU0C
>
>
>

--

"I aim to misbehave." - Captain Malcolm Reynolds, "Serenity"

44268. Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-21 02:16:33 UTC
From: jonizornes@...
Topic: 44222 Message: 44268

Wow, I ordered a set of ten when this posted the other day and they arrived today! Very fast service from them and you can't beat the price. I got the blue, but I may order the frosted blue or green to see how they do. It does take a while to get used to the led light, rather than incandescent, but they burn out so often.

44269. Re: [DrakeRadio] Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-21 05:01:15 UTC
From: Richard Knoppow
Topic: 44222 Message: 44269

Which burns out often? I used #557 lamps in place of #47,
much longer lifetime.

On 4/20/2018 7:16 PM, jonizornes@... [DrakeRadio] wrote:
>
>
> Wow, I ordered a set of ten when this posted the other day and
> they arrived today! Very fast service from them and you can't
> beat the price. I got the blue, but I may order the frosted blue
> or green to see how they do. It does take a while to get used to
> the led light, rather than incandescent, but they burn out so often.
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44270. Re: [DrakeRadio] Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-21 13:28:15 UTC
From: VE7PS
Topic: 44222 Message: 44270

Richard:

Believe you mean *#755* bulbs.? That's what I've been using them for several years now (tip from Garey a long time ago) to replace #47's every time I open a radio for cleaning/servicing. Haven't had one fail yet.? Particularly like them in 4-line accessories that are more difficult to get open than the R-4any/T-4any, like the meter bulb in the C-4 console.? Original looking bulb, can't tell the difference in light output, presumably a bit less heat (though not as low as LED's I know), no worries about shorts, and light "colour" is identical to original when the blue and/or white dial filters are replaced.

I did find and install very good LED replacements that have come out for the "nightlight" bulb used under the clock in the C-4.? That one is a real pain to replace!??? They are made by Phillips and are available at Home Depot.

https://www.homedepot.ca/en/home/p.led-7w-night-light-soft-white-2700k-frosted-non-dimmable---2-pack.1001015737.html

73
Peter
VE7PS

On 4/20/2018 10:01 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> Which burns out often? I used #557 lamps in place of #47,
> much longer lifetime.
>
> On 4/20/2018 7:16 PM, jonizornes@... [DrakeRadio] wrote:
>>
>> Wow, I ordered a set of ten when this posted the other day and
>> they arrived today! Very fast service from them and you can't
>> beat the price. I got the blue, but I may order the frosted blue
>> or green to see how they do. It does take a while to get used to
>> the led light, rather than incandescent, but they burn out so often.
>>
>>

This email has been checked for viruses by AVG.
http://www.avg.com

44271. Re: [DrakeRadio] Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-21 15:51:02 UTC
From: Richard Knoppow
Topic: 44222 Message: 44271

Yes 775 is correct, I thought it didn't look right when I posted it. In direct comparison they are slightly dimmer than a 47 but not much and in some radios they look better. I also use them to replace No.44 lamps. The 44 draws about twice the current of a 47 so are brighter but no more long lived. I also got the tip from Garey.

On 4/21/2018 6:28 AM, VE7PS ve7ps@... [DrakeRadio] wrote:
>
>
> Richard:
>
> Believe you mean *#755* bulbs.? That's what I've been using them
> for several years now (tip from Garey a long time ago)

Richard Knoppow
1oldlens1@...
WB6KBL

44272. Re: [DrakeRadio] Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-21 18:14:47 UTC
From: Randy Moore
Topic: 44222 Message: 44272

Richard, Did you mean a #755 bulb instead of #557?

73,
Randy, KS4L

On Sat, Apr 21, 2018, 12:01 AM Richard Knoppow 1oldlens1@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

> Which burns out often? I used #557 lamps in place of #47,
> much longer lifetime.
>
> On 4/20/2018 7:16 PM, jonizornes@... [DrakeRadio] wrote:
> >
> >
> > Wow, I ordered a set of ten when this posted the other day and
> > they arrived today! Very fast service from them and you can't
> > beat the price. I got the blue, but I may order the frosted blue
> > or green to see how they do. It does take a while to get used to
> > the led light, rather than incandescent, but they burn out so often.
> >
> >
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>
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> Yahoo Groups Links
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44273. Re: [DrakeRadio] Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-21 19:33:45 UTC
From: Richard Knoppow
Topic: 44222 Message: 44273

Yes. I sent a correction this morning but don't see it. Yahoo seems to be having problems right now.

On 4/21/2018 11:14 AM, Randy Moore wrote:
> Richard, Did you mean a #755 bulb instead of #557?
>
> 73,
> Randy, KS4L

--
Richard Knoppow
1oldlens1@...
WB6KBL

44274. Test message, do not respond

Yahoo group: DrakeRadio (2018)
Date: 2018-04-21 20:20:44 UTC
From: Richard Knoppow
Topic: 44274 Message: 44274

I am not seeing my own mail. Just visited the Yahoo web page
and they are there. I am testing to see if its working again.
--
Richard Knoppow
1oldlens1@...
WB6KBL

44275. Re: [DrakeRadio] Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 05:30:19 UTC
From: Richard Knoppow
Topic: 44222 Message: 44275

Now, a good ten or twelve hours after I sent it the two
messages showed up on my machine. I guess they were swimming
around with the gold fish at Yahoo.

On 4/21/2018 12:33 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] wrote:
> Yes. I sent a correction this morning but don't see it. Yahoo
> seems to be having problems right now.
>
> On 4/21/2018 11:14 AM, Randy Moore wrote:
>> Richard, Did you mean a #755 bulb instead of #557?
>>
>> 73,
>> Randy, KS4L
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44276. RE: [DrakeRadio] Test message, do not respond

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 07:06:47 UTC
From: Joe
Topic: 44274 Message: 44276

Richard, I do not see any of my own mails in any YahooGroup. Never have..

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Test message, do not respond

I am not seeing my own mail. Just visited the Yahoo web page
and they are there. I am testing to see if its working again.

44277. Re: [DrakeRadio] Test message, do not respond

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 07:17:47 UTC
From: Richard Knoppow
Topic: 44274 Message: 44277

I usually do. This one came in after many hours.

On 4/22/2018 12:06 AM, Joe wrote:
> Richard, I do not see any of my own mails in any YahooGroup. Never have..
>
> Joe - W7RKN
>
> -----Original Message-----
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Subject: [DrakeRadio] Test message, do not respond
>
> I am not seeing my own mail. Just visited the Yahoo web page
> and they are there. I am testing to see if its working again.
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44278. Drake parts for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 15:31:47 UTC
From: Kc9cdt@...
Topic: 44278 Message: 44278

OK, Here is the updated list
Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not include shipping as I will combine shipping based on what you select:
Offer for all parts considered.....

5) Red metal pointer for preselector position...$10.

6A) Qty 2 ...clear plastic fudicials with a hole in each end...dimentions 3.5 x 1.5 in. with red line down center
P/N 346-0010.....$10 each.
6B) QTY 4...BLUE filter for VFO area with white backing piece NEW $10 each
6C) Drake 2C dial cord...$5.

7) Knob for L-4B WITH white line NOS.....$10.
8) Knob for L-4B No white line NOS....$10
13) New Plate meter for TR-4 etc....P/N 358-0160....$30
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$10
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30 These are NOS, not used
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
67) 30 Set Screw standard BAR knobs NOS or excellent cond.....$4 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$10
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$10
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$10
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$2
77) 1 New Jersey Semiconductor 2N2430....NOS...$2
78) 3 New Jersey Semiconductor 2N2926....NOS...$6
79) 2 New Jersey Semiconductor 2N3638....NOS...$4
80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used

Let me know the number (s) of what you want or make offer on everything left.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

44279. TR5 transmit power

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 16:23:38 UTC
From: prosolar@...
Topic: 44279 Message: 44279

I have a tr5 and wondering how much RF I should have. According to my bird wattmeter I have 45ish watts into a 50Ω dummy load.

That seems low. And yes, I know the TR5 didn't have the power of its bigger sister the TR7.

Is 45 W output right?

Mike, WB8VGE

44280. Parting out a Drake T4x

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 17:29:08 UTC
From: johng101501@...
Topic: 44280 Message: 44280

Does anybody need any parts for a drake T4x? Its in nice shape -only thing wrong is no AM function and no CW. or whole thing for 70 bucks. Has the harbach plug in relay installed.

44281. Re: [DrakeRadio] Parting out a Drake T4x

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 17:36:35 UTC
From: Richard Knoppow
Topic: 44280 Message: 44281

Sounds like you are on the wrong sideband. Or, the carrier
oscillator is not being shifted, or, the balanced modulator is
not being unbalanced. Should not be too difficult to find the
problem and cure it. For AM or CW the sideband selector must be
in the X position.

On 4/22/2018 10:29 AM, johng101501@... [DrakeRadio] wrote:
>
>
> Does anybody need any parts for a drake T4x? Its in nice shape
> -only thing wrong is no AM function and no CW. or whole thing for
> 70 bucks. Has the harbach plug in relay installed.
>

44282. R7 Preamp Relay Super High Intensity Tinkering

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 19:06:09 UTC
From: Jim Shorney
Topic: 44282 Message: 44282

For posteriity the preamp relay in the R7 is a Sigma 6ORE2-12DC.

This is an obsolete part, difficult but not impossible to find. Equivalents are:

Magnecraft W60HE2-12DC
NTE RLY3922

Note the clever placement of zeros and "O"s to attempt to confuse humans.

The only data sheet I have been able to coax out of the matix is for the NTE part. Found this on a mil parts site:

"Special Features: Contact data dpdt, 2 oamps at 120 ovac, input data 28 ovdc, operate time 3MSECS, release time 2 msecs, dielectric strength between insulated points 1500 urms, operating temp 55C to 65C, senstive coils 55C to 75C, slodering temperature 270 C 518 F max for 5 seconds, 8 pin plug in, O/a dimentions 1.090 lg, 0.675 O/a high, mounting data standard octal eight pin plug in"

This is a power relay not a signal relay. As such it suffers from the usual problems with power relays when passing small signals. Wearing out the Preamp switch from excercising the relay is not an acceptable solution.

Replacement with a Teledyne 712-12 is feasable but not pretty. This is a real RF signal relay and is readily available new and used/surplus at reasonable prices. The Yaesu guys discovered the goodness of 712-12 retrohacking in similar scenarios and I credit them for the idea. Proof of concept testing will commence soon. Photos to follow if I don't get distracted by something else first.

73

-Jim
NU0C

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"

44283. Joe "Claw Hammer" Ham strikes again.

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 19:33:50 UTC
From: jdangus@...
Topic: 44283 Message: 44283

I'm working on a Drake 2-C for a friend.
I put it on the bench and turn it on to see what's wrong with it.
The first thing I notice is the S-meter won't zero and it seems
to be at least 45-50 dB low in gain.
The first thing I do is check the tubes.
6BZ6 check ok. 12AU6 checks ok. I find two 12BE6 tubes that
are dead. Then I find a third 12BE6. Wait a minute....
Correct tube line up: 6BZ6 12BA6 12BE6 12BE6 12AU6.
As found in the radio: 6BZ6 12AU6 12BE6 12BE6 12BE6.
Sigh.
Put in four NOS tubes. 12BA6, 12BE6 12BE6 12BA6.
Ok, I now have the proper gain on all bands.
Funny how having good tubes and in the correct places makes
a difference.
S-Meter still won't zero. Doing the S-Meter calibration, I can
set the bias to -1.35vc at TP-1, RF gain all the way down equals
S-9 + 40 dB. Meter zero goes down to S-7.

Flip the radio over and see what's going on underneath.
The filter caps went bad apparently. However, Joe "Claw Hammer"
Ham just added capacitors across the old ones.

Measure the B+ around the S-meter. One side is supposed to be
+100 v, It's +94v. One the Zero pot, one side is supposed to be
+135v, it's +145v. As a quick fix, before I remove all the old
filter capacitors and replace them with new ones, I put a 6.8K ohm
resistor in series with the Zero pot. I can set the meter to S-1 now
according to the manual.

Of course, two of the crystals were wrong. And the 100 KHz crystal
and 6BA6 were missing in the 2AC calibrator.

Other than the filter capacitor and missing crystals, the radio works
quite well now. (Using the crystals out of my Drake 2B.)

44284. Re: [DrakeRadio] TR5 transmit power

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 19:30:33 UTC
From: Joe Pyles
Topic: 44279 Message: 44284
Attachments: 1 described; binary payloads are missing from this source WARC

90 watts on lower bands and around 50 watts on 10 meters.

[]

73, Joe Pyles KC9LAD

At 12:23 PM 4/22/2018, you wrote:
>
>
>I have a tr5 and wondering how much RF I should
>have. According to my bird wattmeter I have 45ish watts into a 50Î© dummy load.
>
>That seems low. And yes, I know the TR5 didn't
>have the power of its bigger sister the TR7.
>
>Is 45 W output right?
>
>Mike, WB8VGE
>
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

44285. Re: Parting out a Drake T4x

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 19:59:37 UTC
From: johng101501@...
Topic: 44280 Message: 44285

No but i did find the problem-- the function switch is missing a contact on the wafer. I cant find a function switch anywhere Richard, so i figured maybe someone needed parts . Thought it was a dirty wafer but it was missing contact on wafer.

44286. Re: [DrakeRadio] Parting out a Drake T4x

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 19:03:55 UTC
From: RAY FRIESS
Topic: 44280 Message: 44286

John .... how much is still there? Have you taken anything off of it yet?

_____
From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of johng101501@...
[DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Sunday, April 22, 2018 11:29 AM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Parting out a Drake T4x

Does anybody need any parts for a drake T4x? Its in nice shape -only thing wrong is no AM function and no CW. or whole thing for 70 bucks. Has the harbach plug in relay installed.

44287. T4X Repair?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 20:28:09 UTC
From: rhulett1@...
Topic: 44287 Message: 44287

I have a T4X that decided to act up today. Output power intermittent after being on for awhile, maybe the relay? Anyway, I really don't care to run through all of the troubleshooting and repair. I guess have become an appliance operator. Who is still diagnosing and repairing these transmitters?

Thanks, Curt KB5JO

44288. Re: [DrakeRadio] Joe "Claw Hammer" Ham strikes again.

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 20:35:20 UTC
From: Barry
Topic: 44283 Message: 44288

Well, at least it sounds like JC didn't just drill several random holes in it...

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "jdangus@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Sunday, April 22, 2018 2:33:50 PM
> Subject: [DrakeRadio] Joe "Claw Hammer" Ham strikes again.
>
> I'm working on a Drake 2-C for a friend.
> I put it on the bench and turn it on to see what's wrong with it.
> The first thing I notice is the S-meter won't zero and it seems
> to be at least 45-50 dB low in gain.
> The first thing I do is check the tubes.
> 6BZ6 check ok. 12AU6 checks ok. I find two 12BE6 tubes that
> are dead. Then I find a third 12BE6. Wait a minute....
> Correct tube line up: 6BZ6 12BA6 12BE6 12BE6 12AU6.
> As found in the radio: 6BZ6 12AU6 12BE6 12BE6 12BE6.
> Sigh.
> Put in four NOS tubes. 12BA6, 12BE6 12BE6 12BA6.
> Ok, I now have the proper gain on all bands.
> Funny how having good tubes and in the correct places makes
> a difference.
> S-Meter still won't zero. Doing the S-Meter calibration, I can
> set the bias to -1.35vc at TP-1, RF gain all the way down equals
> S-9 + 40 dB. Meter zero goes down to S-7.
>
> Flip the radio over and see what's going on underneath.
> The filter caps went bad apparently. However, Joe "Claw Hammer"
> Ham just added capacitors across the old ones.
>
> Measure the B+ around the S-meter. One side is supposed to be
> +100 v, It's +94v. One the Zero pot, one side is supposed to be
> +135v, it's +145v. As a quick fix, before I remove all the old
> filter capacitors and replace them with new ones, I put a 6.8K ohm
> resistor in series with the Zero pot. I can set the meter to S-1 now
> according to the manual.
>
> Of course, two of the crystals were wrong. And the 100 KHz crystal
> and 6BA6 were missing in the 2AC calibrator.
>
> Other than the filter capacitor and missing crystals, the radio works
> quite well now. (Using the crystals out of my Drake 2B.)

>
>
>
>

44289. Re: [DrakeRadio] TR5 transmit power

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 20:30:46 UTC
From: Mike Bryce
Topic: 44279 Message: 44289

Hummm…. looks like an issue then.

I have two and both seem to be on the light side of RF output.

running with a astronaut 35M power supply with correct plug and heavy cables. Cleaned all contacts on the power cable and chassis

mike,wb8vge

> On Apr 22, 2018, at 3:30 PM, Joe Pyles <epyles@...> wrote:
>
> 90 watts on lower bands and around 50 watts on 10 meters.
>
>
> <tr5power.jpg>
>
> 73, Joe Pyles KC9LAD
>
> At 12:23 PM 4/22/2018, you wrote:
>>
>>
>> I have a tr5 and wondering how much RF I should have. According to my bird wattmeter I have 45ish watts into a 50Î© dummy load.
>>
>> That seems low. And yes, I know the TR5 didn't have the power of its bigger sister the TR7.
>>
>> Is 45 W output right?
>>
>> Mike, WB8VGE
>>
>>

44290. Re: [DrakeRadio] Parting out a Drake T4x

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 21:09:49 UTC
From: johng101501@...
Topic: 44280 Message: 44290

I have not taken anything off from it, Its all there

44291. Re: T4X Repair?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 21:36:46 UTC
From: johng101501@...
Topic: 44287 Message: 44291

Hello, there are two that do it all the time, but wb4hfn, Ron Baker and Wa8saj Jeff Covelli, are very good-- It sounds like a problem that could be fixed without too much trouble, though. 73, john

44292. Re: [DrakeRadio] Re: Parting out a Drake T4x

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 21:52:18 UTC
From: Jim Shorney
Topic: 44280 Message: 44292

This is not an insurmountable problem. If the wafer is in good shape otherwise
it may be possible to transplant a contact from a similar donor wafer.

73

-Jim
NU0C

On 22 Apr 2018 19:59:37 +0000, johng101501@... [DrakeRadio] wrote:

>No but i did find the problem-- the function switch is missing a contact on the wafer. I cant find a function switch anywhere Richard, so i figured maybe someone needed parts . Thought it was a dirty wafer but it was missing contact on wafer.

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"

44293. Re: [DrakeRadio] TR5 transmit power

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 22:10:18 UTC
From: Joe Pyles
Topic: 44279 Message: 44293

The TR5 has MRF455 transistors in the final as opposed to the TR7 which has MRF421s. The MRF455s are rated at 60 watts each and they don't seem to be all that robust. I've replaced the finals in about half of a dozen TR5s and I have one waiting for them now. On my TR5, I bought it from a guy who blew the finals and removed the power brick and lost it. So I bought it cheap and I put a TR7 power brick in it and set the power to 90 watts as per spec. I have had no problems with it.

73, Joe Pyles KC9LAD

At 04:30 PM 4/22/2018, you wrote:
>
>
>Hummm . looks like an issue then.
>
>I have two and both seem to be on the light side of RF output.
>
>running with a astronaut 35M power supply with
>correct plug and heavy cables. Cleaned all
>contacts on the power cable and chassis
>
>mike,wb8vge
>
> > On Apr 22, 2018, at 3:30 PM, Joe Pyles <epyles@...> wrote:
> >
> > 90 watts on lower bands and around 50 watts on 10 meters.
> >
> >
> > <tr5power.jpg>
> >
> > 73, Joe Pyles KC9LAD
> >
> > At 12:23 PM 4/22/2018, you wrote:
> >>
> >>
> >> I have a tr5 and wondering how much RF I
> > should have. According to my bird wattmeter I
> > have 45ish watts into a 50Ã□Â© dummy load.
> >>
> >> That seems low. And yes, I know the TR5
> > didn't have the power of its bigger sister the TR7.
> >>

> >> Is 45 W output right?
> >>
> >> Mike, WB8VGE
> >>
> >>
>
>

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http://www.avg.com

44294. Re: [DrakeRadio] TR5 transmit power

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 23:10:29 UTC
From: MadScientist1948
Topic: 44279 Message: 44294

As I recall, a TR5 was supposed to produce about 80 to85 watts…

Gary

> On Apr 22, 2018, at 11:23 AM, prosolar@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I have a tr5 and wondering how much RF I should have. According to my bird wattmeter I have 45ish watts into a 50Ω dummy load.
>
> That seems low. And yes, I know the TR5 didn't have the power of its bigger sister the TR7.
>
> Is 45 W output right?
>
> Mike, WB8VGE
>
>
>
>
>

44295. Re: Joe "Claw Hammer" Ham strikes again.

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 23:41:17 UTC
From: hghesser@...
Topic: 44283 Message: 44295

"A man's gotta know his limitations". Dirty Harry

73 Harv WB6TTF

44296. Re: parts

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 23:27:31 UTC
From: RAY FRIESS
Topic: 43545 Message: 44296

Lee... In my last email, I forgot to mention its the function switch for the T4x. Ray

Sent from my Verizon LG Smartphone

------ Original message------
From: Kc9cdt@... [DrakeRadio]
Date: Sun, Mar 4, 2018 10:40 AM
To: drakeradio@yahoogroups.com;
Cc:
Subject:[DrakeRadio] Updated PARTS FS list, some reduced prices...

Here is whats left as to Drake parts I still have. I have reduced some prices as well.

Don't miss the opportunity to get these parts, I think I have them priced pretty reasonable.
Bundle prices also considered...

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $70.
3) Replacement snap switch NOS for R4 function switch (This is the one that goes on the back of the F. switch).....$30
4) 8 KC AM filter for R-4C (5645KC)...$60.
5) 1.5 KC 2nd IF crystal filter for R-4C (5695KC)....$40
6) 2.4KC internal crystal filter @ 5695kc....$10
7) Knob for L-4B or MN-2000 WITH white line NOS.....$15.
8) Knob for L-4B or MN-2000 No white line NOS....$15
9) Knob for TR-7 main tuning....$20 (I think...let me know the dimentions of yours so we can be sure it is for TR-7)
11) New bottem cover for AC-4 PS....$5
12) New Plate meter for TR-4 etc....P/N 358-0160....$45
13) New Plate meter for TR-4 etc....P/N 358-0160....$45
14) New S meter for R4 rcvr P/N 358-0130......$45
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$45
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
20) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
21) New snap switch goes on end of pot...for ON/OFF on rcvrs(Tr as well??) P/N 366-0255....$30
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$15
24) 3 R-4C filter hold down brackets NOS....$10
26) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010
27) New plug in relay for TX ......$25 I think all these are Drake P/N 362-0010

28) USED plug in relay for TX (marked works fine needs cleaning......$10
30) Brand new Astatic D-104 Mic element......$30
34) 2 4C line main tuning knob skirts....$10
35) 2 4C line main tuning knob skirts....$10
36) 2 4C line main tuning knob skirts....$10
37) 2 New A/B line main tuning knob skirts THESE HAVE THE 0-20 MARKINGS....$20
40) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
41) 3 R-4C filter hold down brackets, used...$10
44) 4 plastic tapered feet for 4 line NOS.....$8
46) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10
47) 4 1/2 circle Rubber feet with screw molded in it for bottem of AC-4/MS-4 (hard to find) ...$10
50) 1 NOS AC-4 cable plug (cinch).....$15
51) 2 L-4B -- AC-4 2 pin relay connectors (plastic 2 pin connectors) (hard to find)...$15
52) 7 R-4C plastic standoff/snapons for mounting R-4C NB....$12
53) 2 plastic side plates for TR-7 series cabinets (I think that is what these are, P/N 345-5000L...$10
54) 1 TR-7 bandswitch /skirt knob P/N 445-4008 bandswitch markings.....$30 (almost impossible to find)
55) 8 used pulls nixi tubes digital readout for TR-7 I think...unknow operating condition...$5
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used
60) 12 black cabinet screws with phillips head(nice no slip off)....$10
62) 1 D-104 HEAD ONLY in near perfect condition with bad element (I have elements for sale here on list)....$20
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$15
67) 46 Screw on style standard BAR knobs NOS or excellent cond.....$2 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$20
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$20
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$20
71) 1 NEW R-4C PC board with 1 IC on it...marked 8214A, SE K3LR, PD-R-4C....$10
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$5
73) 2 pieces blue lense plastic for dial 3" x 6"....$2
74) 2 bulbs (fuse??) P/N 347-0161...$10
75) 2 NEW 4 segment RED LED display units (total 8 digits...TR-7??...P/N 308-0022...$20
76) 2 NEW 2 Segment RED LED display units (total 4 digits)..TR-7??...P/N 308-0021...$10
77) 1 New Jersey Semiconductor 2N2430....NOS...$5
78) 3 New Jersey Semiconductor 2N2926....NOS...$15
79) 2 New Jersey Semiconductor 2N3638....NOS...$10
80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used

I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.

Lee Simmonds
Summit DCS

260-403-6936 Cell

44297. Re: [DrakeRadio] Parting out a Drake T4x

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 23:51:27 UTC
From: Tom
Topic: 44280 Message: 44297

Where are you located?
-------- Original message --------From: "johng101501@yahoo.com [DrakeRadio]" <DrakeRadio@yahoogroups.com> Date: 4/22/18 12:29 PM (GMT-06:00) To: DrakeRadio@yahoogroups.com Subject: [DrakeRadio] Parting out a Drake T4x

Does anybody need any parts for a drake T4x? Its in nice shape -only thing wrong is no AM function and no CW. or whole thing for 70 bucks. Has the harbach plug in relay installed.

44298. Re: [DrakeRadio] Re: parts

Yahoo group: DrakeRadio (2018)
Date: 2018-04-22 23:54:14 UTC
From: Kc9cdt@...
Topic: 43545 Message: 44298

Ray,
OK, they were R-4B/C not TX...
Sorry no got.
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: RAY FRIESS rayfrijr@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: Kc9cdt@aol.com [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: Sun, Apr 22, 2018 7:47 pm
Subject: [DrakeRadio] Re: parts

Lee... In my last email, I forgot to mention its the function switch for the T4x. Ray

Sent from my Verizon LG Smartphone

------ Original message------
From: Kc9cdt@... [DrakeRadio]
Date: Sun, Mar 4, 2018 10:40 AM
To: drakeradio@yahoogroups.com;
Cc:
Subject:[DrakeRadio] Updated PARTS FS list, some reduced prices...

Here is whats left as to Drake parts I still have. I have reduced some prices as well. Don't miss the opportunity to get these parts, I think I have them priced pretty reasonable.
Bundle prices also considered...

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not iclude shiping as I will combine shipping based on what you select:

2) R4x Function Switch NOS, new style with real snap switch instead of wafer switch for ON/OFF w/instructions.... $70.
3) Replacement snap switch NOS for R4 function switch (This is the one that goes on the back of the F. switch).....$30
4) 8 KC AM filter for R-4C (5645KC)...$60.
5) 1.5 KC 2nd IF crystal filter for R-4C (5695KC)....$40
6) 2.4KC internal crystal filter @ 5695kc....$10
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8) Knob for L-4B or MN-2000 No white line NOS....$15
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I have identified these parts as well as I can...please ask about any particular one(s). I can send a photo and if were not sure what it is for...we can try to find out together.

Let me know the number (s) of what you want First come basis...I will combine for shipping and keep it as low as possible.

Lee Simmonds
Summit DCS

260-403-6936 Cell

44299. Drake equipment available

Yahoo group: DrakeRadio (2018)
Date: 2018-04-23 01:26:33 UTC
From: Randy Farmer
Topic: 44299 Message: 44299

I'm in the process of disposing of the radio equipment of my SK friend W4YOK and have the following Drake gear available:

R-4B S/N 14097D -- Excellent condition; green LED pilot lamps; 1.5 and 28.0 MHz accessory crystals -- $175
R-4B S/N 14013C -- Excellent condition; green LED pilot lamps; 1.5, 2.5, 10.0, 18.0, 24.5, 27.5, 28.0, 29.0 MHz accessory crystals; non-can filter cap replacements -- $250
R-4B S/N 8249B -- Very good condition; green LED pilot lamps; 1.8, 9.7, 27.0, 28.0, 29.0 MHz accessory crystals -- $175
R-4C S/N 22282 -- Excellent condition; 1.5, 0.5, 0.25 kHz IF filters; 1.5, 10.0, 28.0, 29.5 MHz accessory crystals -- $400
T-4XB S/N 19357B -- Chassis fair; green LED pilot lamps; partially disassembled for apparent PTO replacement (2nd PTO included) -- $175
T-4XB S/N 13882G -- Very good condition; 1.8, 27.0, 28.0, 29.0 MHz accessory crystals; 117VAC cooling fan with transformer on rear panel -- $200
T-4XC S/N 29001 -- Very good condition; 1.5, 28.0, 10.0, 29.5 MHz accessory crystals; 117VAC cooling fan with transformer on rear panel -- $300
AC-4 S/N 60192 -- Mounted in MS-4 in excellent condition -- $75
AC-4 S/N 57487 -- Mounted in MS-4 in excellent condition -- $75
AC-4 S/N 26431 -- Mounted in MS-4 in excellent condition -- $75
AC-4 S/N 42240 -- Mounted in MS-4 in excellent condition -- $75
AC-4 S/N 86814-- Excellent condition -- $60
W-4 S/N 9792 -- Excellent condition -- $65
The transmitters, receiver and wattmeter have original manuals and other associated documentation.
I will also have complete sets of spare tubes for these units available at a later time; the tubes are still being cataloged.

This equipment was all in regular use up until Tom fell ill in late September 2017. The gear is presently in Plano, Texas. While local pickup in the DFW area is strongly preferred, shipping can be arranged if the purchaser is willing to pay all packing and shipping costs from a UPS store or similar retail shipper.

I am in Arlington, Texas (approximately 40 miles from Plano) and cannot readily answer more detailed questions about these items. If you are interested, please contact me OFF LIST:

Randy Farmer, W8FN
w8fn@...
(817) 460-3458 -- 7 PM to 9 PM CDT

73...
Randy, W8FN

44300. Re: [DrakeRadio] TR5 transmit power

Yahoo group: DrakeRadio (2018)
Date: 2018-04-23 01:41:44 UTC
From: MadScientist1948
Topic: 44279 Message: 44300

I have a TR7 brick that needs new output transistors, easier to find the the TR5 ones, if anyone is interested.

Gary

> On Apr 22, 2018, at 6:10 PM, MadScientist1948 dukeshifi@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> As I recall, a TR5 was supposed to produce about 80 to85 watts…
>
>
> Gary
>
>> On Apr 22, 2018, at 11:23 AM, prosolar@... <mailto:prosolar@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>> I have a tr5 and wondering how much RF I should have. According to my bird wattmeter I have 45ish watts into a 50Ω dummy load.
>>
>> That seems low. And yes, I know the TR5 didn't have the power of its bigger sister the TR7.
>>
>> Is 45 W output right?
>>
>> Mike, WB8VGE
>>
>>
>>
>>
>
>
>

44301. Parasitic Choke DX-60

Yahoo group: DrakeRadio (2018)
Date: 2018-04-23 04:23:54 UTC
From: k6ctw@...
Topic: 44301 Message: 44301

The parasitic choke on the latest DX-60 I'm rebuilding has definitely seen better days. So, thought I'd see about making one since they are not available on-line.

It appears to be a 1 watt carbon composition resistor 47 ohm resistor with 4 turns of what appears to be 20 ga tinned ?? wire around the body of the resistor.

Also, in doing research, it appears that it might actually be better to place the coil alongside the resistor rather than around the resistors body.

Are there any special things that need to be considered:
Is the resistance value critical?
Is the value of inductor (diameter, number of turns-per-inch and wire gauge) critical
Is the number of turns of the inductor critical (4 1/2 on the one being removed)

Note that the parasitic choke on a KWM-2 is only about 2 1/2 turns on a 2 watt resistor and that is also a 6146.

Any and all thoughts/comments/advice would be most welcome?

73 - ken miller k6ctw

44302. Re: [DrakeRadio] Parasitic Choke DX-60

Yahoo group: DrakeRadio (2018)
Date: 2018-04-23 04:41:44 UTC
From: MadScientist1948
Topic: 44301 Message: 44302

Well, I made ,y own parasitic chokes when I was 12, making my first transmitter.

Since it is more or less a low pass filter, its absolute inductance is not terribly critical.

The resistor value is not all that critical either, though you do want to be sure your resistor is non-inductive. Old fashioned Carbon resistors work well, almost anything from ~47 ohms to ~100 ohms should be OK.

Gary

> On Apr 22, 2018, at 11:23 PM, k6ctw@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> The parasitic choke on the latest DX-60 I'm rebuilding has definitely seen better days. So, thought I'd see about making one since they are not available on-line.
>
> It appears to be a 1 watt carbon composition resistor 47 ohm resistor with 4 turns of what appears to be 20 ga tinned ?? wire around the body of the resistor.
>
> Also, in doing research, it appears that it might actually be better to place the coil alongside the resistor rather than around the resistors body.
>
> Are there any special things that need to be considered:
> Is the resistance value critical?
> Is the value of inductor (diameter, number of turns-per-inch and wire gauge) critical
> Is the number of turns of the inductor critical (4 1/2 on the one being removed)
>
> Note that the parasitic choke on a KWM-2 is only about 2 1/2 turns on a 2 watt resistor and that is also a 6146.
>
> Any and all thoughts/comments/advice would be most welcome?
>
> 73 - ken miller k6ctw
>
>
>
>
>
>

44303. Re: [DrakeRadio] Parasitic Choke DX-60

Yahoo group: DrakeRadio (2018)
Date: 2018-04-23 04:44:12 UTC
From: Lee Bahr
Topic: 44301 Message: 44303

Ken,

Best to duplicate what is there now. Truth is there is Alchemy involved when designing this choke for any particular transmitter. Heathkit did that and came up with their design. Some say the best modern day resistor to use today is the Ohmite OY resistor. It is not known to have any inductance. Most modern day resistors are spirally cut to obtain their resistance so they have some inductance. Personally I have used metal oxide resistors with no problem as well as Ohmite OY resistors. It should also be noted the lower the resistance the fewer the spiral cuts. Consequently a 47 ohm resistor won't have much inductance anyway. Since modern day resistors have different diameters you should use a drill as a form when winding the new coil and make it the same diameter as the old coil diameter. Personally I would wind the coil and place it over the resistor as original. It will look more stock and it will work just fine. Don't make a big deal of this. In fact, the transmitter may not have any parasitics even if the choke was not in the circuit.

Lee,

w0vt, w5drc

On 4/22/2018 11:23 PM, k6ctw@... [DrakeRadio] wrote:
>
> The parasitic choke on the latest DX-60 I'm rebuilding has definitely
> seen better days. So, thought I'd see about making one since they are
> not available on-line.
>
> It appears to be a 1 watt carbon composition resistor 47 ohm resistor
> with 4 turns of what appears to be 20 ga tinned ?? wire around the
> body of the resistor.
>
> Also, in doing research, it appears that it might actually be better
> to place the coil alongside the resistor rather than around the
> resistors body.
>
> Are there any special things that need to be considered:
> Is the resistance value critical?
> Is the value of inductor (diameter, number of turns-per-inch and wire
> gauge) critical
> Is the number of turns of the inductor critical (4 1/2 on the one
> being removed)
>
> Note that the parasitic choke on a KWM-2 is only about 2 1/2 turns on
> a 2 watt resistor and that is also a 6146.

>
> Any and all thoughts/comments/advice would be most welcome?
>
> 73 - ken miller k6ctw
>
>
>

44304. Re: [DrakeRadio] Parasitic Choke DX-60

Yahoo group: DrakeRadio (2018)
Date: 2018-04-23 04:46:38 UTC
From: Lee Bahr
Topic: 44301 Message: 44304

Meant to say DRAKE, not Heathkit!

Lee

w0vt, w5drc

On 4/22/2018 11:44 PM, Lee Bahr wrote:
>
> Ken,
>
> Best to duplicate what is there now. Truth is there is Alchemy
> involved when designing this choke for any particular transmitter.
> Heathkit did that and came up with their design. Some say the best
> modern day resistor to use today is the Ohmite OY resistor. It is not
> known to have any inductance. Most modern day resistors are spirally
> cut to obtain their resistance so they have some inductance.
> Personally I have used metal oxide resistors with no problem as well
> as Ohmite OY resistors. It should also be noted the lower the
> resistance the fewer the spiral cuts. Consequently a 47 ohm resistor
> won't have much inductance anyway. Since modern day resistors have
> different diameters you should use a drill as a form when winding the
> new coil and make it the same diameter as the old coil diameter.
> Personally I would wind the coil and place it over the resistor as
> original. It will look more stock and it will work just fine. Don't
> make a big deal of this. In fact, the transmitter may not have any
> parasitics even if the choke was not in the circuit.
>
> Lee,
>
> w0vt, w5drc
>
>
> On 4/22/2018 11:23 PM, k6ctw@... [DrakeRadio] wrote:
>>
>> The parasitic choke on the latest DX-60 I'm rebuilding has definitely
>> seen better days. So, thought I'd see about making one since they
>> are not available on-line.
>>
>> It appears to be a 1 watt carbon composition resistor 47 ohm resistor
>> with 4 turns of what appears to be 20 ga tinned ?? wire around the
>> body of the resistor.
>>
>> Also, in doing research, it appears that it might actually be better
>> to place the coil alongside the resistor rather than around the
>> resistors body.
>>

>> Are there any special things that need to be considered:
>> Is the resistance value critical?
>> Is the value of inductor (diameter, number of turns-per-inch and wire
>> gauge) critical
>> Is the number of turns of the inductor critical (4 1/2 on the one
>> being removed)
>>
>> Note that the parasitic choke on a KWM-2 is only about 2 1/2 turns on
>> a 2 watt resistor and that is also a 6146.
>>
>> Any and all thoughts/comments/advice would be most welcome?
>>
>> 73 - ken miller k6ctw
>>
>>
>>
>

44305. T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-23 22:20:06 UTC
From: rhulett1@...
Topic: 44305 Message: 44305

I spent some time with the T-4X today trying to identify what is happening when it stops producing output before opening the case. Miss being able to communicate with K4OAH!

This is S/N 11836 and has been idle for about 6 months. No issues before that. The problem happens on both CW, SSB, and AM. The output will be normal, and then on next transmission drops to the idling value on the plate meter. The transmit relay is actuating. The low level signal of whatever mode can be heard in the station receiver. For awhile, I thought there was a loose connection somewhere because gentle jarring of the case seemed to restore operation.

The longer it operated today, the more reliable it became. After two hours, everything was fine. Turned it off for an hour and back on, no issues at all after an hour.

I have encountered problems made worse by heat soak, but none healed by heating.

Would appreciate any advice. AGC? Relay contact? If someone has time to discuss offline, that would be great!

73, Curt KB5JO

44306. Re: [DrakeRadio] T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-23 22:40:40 UTC
From: Steve Wedge
Topic: 44305 Message: 44306

Check for cracked resistors. They can be a bear to find. Plate resistors are the most susceptible. Found one once on the driver.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Apr 23, 2018, at 18:20, rhulett1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I spent some time with the T-4X today trying to identify what is happening when it stops producing output before opening the case. Miss being able to communicate with K4OAH!
>
> This is S/N 11836 and has been idle for about 6 months. No issues before that. The problem happens on both CW, SSB, and AM. The output will be normal, and then on next transmission drops to the idling value on the plate meter. The transmit relay is actuating. The low level signal of whatever mode can be heard in the station receiver. For awhile, I thought there was a loose connection somewhere because gentle jarring of the case seemed to restore operation.
>
> The longer it operated today, the more reliable it became. After two hours, everything was fine. Turned it off for an hour and back on, no issues at all after an hour.
>
> I have encountered problems made worse by heat soak, but none healed by heating.
>
> Would appreciate any advice. AGC? Relay contact? If someone has time to discuss offline, that would be great!
>
> 73, Curt KB5JO
>
>
>
>

44307. A Question Regarding a PS-7 Power Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-04-24 14:35:03 UTC
From: kg0mn@...
Topic: 44307 Message: 44307

Does anyone make a kit for the Drake PS7 power supply to upgrade the caps in it? Or is one forced to buy the parts and do an upgrade that way?

Kevin - KG0MN

44308. Re: [DrakeRadio] A Question Regarding a PS-7 Power Supply

Yahoo group: DrakeRadio (2018)
Date: 2018-04-24 16:49:52 UTC
From: MadScientist1948
Topic: 44307 Message: 44308

I am ot aware of any specific upgrade “kits”

However, there is so much room in there that you could easily acquire any modern caps. with proper clamps, from Digikey, and do an “upgrade” by simply drilling new mounting holes for them.

Gary

> On Apr 24, 2018, at 9:35 AM, kg0mn@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Does anyone make a kit for the Drake PS7 power supply to upgrade the caps in it? Or is one forced to buy the parts and do an upgrade that way?
>
> Kevin - KG0MN
>
>

44309. More 4-line questions...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-24 16:40:58 UTC
From: rhulett1@...
Topic: 44309 Message: 44309

About three years ago, when K4OAH was still here, I asked about my R-4A (S/N 5482C) failing to fully mute on standby or external mute. He sent me a list of things to check, as usual I got distracted with other things so just lived with reducing the RF gain on the receiver during transmit. Since the T-4X seems for now to have "healed" itself (?!), decided to perform the checks Garey suggested.

First, evidently the prior owner had the same issue because C91 is not original. The voltage on juncture with D6 is -80 volts (-75 specified). In standby, AGC-1 line is -22 and AGC-2 line is -20, Garey said it should be -35 when radio switched to standby. Changed out V1, V4, V5, V9 (one at a time), no joy.

Any suggestions for finding what is dragging the mute line above -35 volts? Seems there are a lot of possible culprits. What would be a good "divide and conquer" strategy?

The joys of old gear and old age...

73, Curt KB5JO

44310. Re: [DrakeRadio] More 4-line questions...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-24 17:27:02 UTC
From: Joni Zornes
Topic: 44309 Message: 44310

You probably already have, but have you disconnected the mute line altogether? Just in case something in the T-4X or cable is loading it down? BTW, I actually use a pot across the mute line so that I can hear sidetone during transmit. I just adjust the pot to the sidetone level I want during TX. It's great for monitoring cw and even ssb using a headset.

On Tue, Apr 24, 2018 at 11:40 AM, rhulett1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> About three years ago, when K4OAH was still here, I asked about my R-4A (S/N 5482C) failing to fully mute on standby or external mute. He sent me a list of things to check, as usual I got distracted with other things so just lived with reducing the RF gain on the receiver during transmit. Since the T-4X seems for now to have "healed" itself (?!), decided to perform the checks Garey suggested.
>
> First, evidently the prior owner had the same issue because C91 is not original. The voltage on juncture with D6 is -80 volts (-75 specified). In standby, AGC-1 line is -22 and AGC-2 line is -20, Garey said it should be -35 when radio switched to standby. Changed out V1, V4, V5, V9 (one at a time), no joy.
>
> Any suggestions for finding what is dragging the mute line above -35 volts? Seems there are a lot of possible culprits. What would be a good "divide and conquer" strategy?
>
> The joys of old gear and old age...
>
> 73, Curt KB5JO
>
>

44312. Re: [DrakeRadio] More 4-line questions...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-24 21:11:54 UTC
From: rhulett1@...
Topic: 44309 Message: 44312

Yes, disconnecting the mute line makes no difference. The voltage on the two AGC lines remains -20 VDC, not enough to mute the receiver.

A question about Q4. With RF gain at maximum the emitter of 2N3858 shows about -42 volts in Standby, -40 volts in operate. The collector (TP2, AGC-1) shows -15 VDC in standby, -1.5 VDC in operate. So, the voltage drop in the transistor is either 40 or 25 volts. Seems like the drop when the transistor is "on" should be just the 2 junction drop or 1.5-2 volts.

73, Curt KB5JO

44313. Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-25 02:20:03 UTC
From: bernard.murphy@...
Topic: 44305 Message: 44313

Did you try using just the RX VFO on the T-4X?

73, Bernie

44314. Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-25 10:08:41 UTC
From: rhulett1@...
Topic: 44305 Message: 44314

Yes, made no difference separate/rcvr/xmtr. The problem for now has disappeared, I suspect either relay or function switch contact. The problem seemed to get less frequent the more have used the radio. Yesterday, turned it on and off throughout the day, worked correctly without failing.

So have moved over the R4A, which doesn't fully mute (AGC voltage incorrect).

73, Curt

44315. Drake T4xB and T4xC differnces

Yahoo group: DrakeRadio (2018)
Date: 2018-04-25 12:20:00 UTC
From: Frank Barnes
Topic: 44315 Message: 44315

Can anyone report the difference between the B and C model transmitters?
Improvement in C model?
Frank
W4NPN

--
Frank Barnes
W4NPN
Chapel Hill, NC
Grid Square FM05
Cell 919.260.7955

44316. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-25 13:52:50 UTC
From: Steve Wedge
Topic: 44305 Message: 44316

Relays can do the darnedest things. I know I posted on here a while back about a TR-3 that would go completely silent when it was right-side-up. Yep - that big open-frame relay was making bad contact. A little DeOxIt on a dollar bill fixed the problem.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Wed, Apr 25, 2018 at 6:08 AM, rhulett1@consolidated.net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Yes, made no difference separate/rcvr/xmtr. The problem for now has
> disappeared, I suspect either relay or function switch contact. The problem
> seemed to get less frequent the more have used the radio. Yesterday, turned
> it on and off throughout the day, worked correctly without failing.
>
> So have moved over the R4A, which doesn't fully mute (AGC voltage
> incorrect).
>
> 73, Curt
>
>
>

44317. Re: [DrakeRadio] Drake T4xB and T4xC differnces

Yahoo group: DrakeRadio (2018)
Date: 2018-04-25 14:29:15 UTC
From: VE7PS
Topic: 44315 Message: 44317

Frank:

There's a good chance you'll find an extensive list of these in previous archived e-mails, but here's a few;

On the T-4XC, drake added a dual dial system, as they did with the TR-4C and the R-4C. Single Khz (Kc?) readout was done on the dial as opposed to the knob on the B-line, for what may be improved dial accuracy.

The T-4XB had the Mic jack, Vox Gain pot, and the Sidetone/Anti-vox pot on the side of the transmitter, whereas on the T-4XC these got moved to the back so there NO controls on the sides of the T-4XC.

The T-4XB had one Vox Delay Pot while the T-4XC got separate Vox delay pots for CW and SSB.

On the T-4XC, a 5th position was added to the Range Xtal switch for "Fixed Frequency" use which was used in conjunction with a front panel mounted Xtal socket and trim pot.

The T-4XB (and R-4B) used a Neon bulb over the Main Tuning knob to indicate which VFO was in use, rx or tx. On the C-line, the neon buln was eliminated and the dial lights switched on and off, depending which one was in use.

The C-line added a Carrier Oscillator connection cable between the rx and tx to lock the oscillators together when using either the rx VFO or the tx VFO for frequency control. The B-line required careful setting of C-61 in the R-4B to accomplish that.

The carrier oscillator in the T-4XC was solid-stated from a 12AX7 to a 2N5953.

The T-4XB's Voltage regulator on the 150V line, an OA2, was replaced with a zener diode at low voltage on the Car Osc.

There was a better system added to the T-4XC, and a jack, to facilitate RTTY use.

The 6HS6 premixer in the T-4XB was replaced by a 6EJ7 in the T-4XC.

Late serial # T-4XC's replaced the 6EV7 with a 6FQ7.

Cosmetically, the C-line did not have the brushed aluminum "edge" around the front panel - the gray paint went right to the edges. The rear of the C-line was completely screened or "paneled" in, whereas in the T-4XB and the R-4B, part of it was open.

There were other minor changes as well - most in the choice of
transistors used.

I doubt this is a complete list. Others can chime in!

Hope that helps.

73
Peter
VE7PS

On 4/25/2018 5:20 AM, Frank Barnes fbw4npn@... [DrakeRadio] wrote:
> Can anyone report the difference between the B and C model
> transmitters? Improvement in C model?
> Frank
> W4NPN
>
> --
> Frank Barnes
> W4NPN
> Chapel Hill, NC
> Grid Square FM05
> Cell 919.260.7955
>

This email has been checked for viruses by AVG.
http://www.avg.com

44318. Re: [DrakeRadio] Drake T4xB and T4xC differnces

Yahoo group: DrakeRadio (2018)
Date: 2018-04-25 14:51:30 UTC
From: Steve Wedge
Topic: 44315 Message: 44318

Frank, there are some differences. Provision for locking the carrier oscillators is the main functional difference, as well the PTO Lamp. The dial of the PTO is also obviously different. The 6HS6 premixer was replaced by the 6EJ7. They moved VOX delay pots to the rear and separated AM/SSB from CW delays. VOX and Anti-VOX gains were also moved. C6 adjustment also moved to the back. Fixed crystal moved to the front panel.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Wed, Apr 25, 2018 at 8:20 AM, Frank Barnes fbw4npn@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Can anyone report the difference between the B and C model transmitters?
> Improvement in C model?
> Frank
> W4NPN
>
> --
> Frank Barnes
> W4NPN
> Chapel Hill, NC
> Grid Square FM05
> Cell 919.260.7955
>
>
>

44319. Re: [DrakeRadio] Drake T4xB and T4xC differnces

Yahoo group: DrakeRadio (2018)
Date: 2018-04-25 16:35:06 UTC
From: Richard Knoppow
Topic: 44315 Message: 44319

A nice list. The T-4XC also has a small network to reduce distortion in the final amplifier. I think just a single diode and some resistors. I don't know how much difference it makes since I think the specs are the same.

On 4/25/2018 7:29 AM, VE7PS ve7ps@... [DrakeRadio] wrote:
>
>
> Frank:
>
> There's a good chance you'll find an extensive list of these in
> previous archived e-mails, but here's a few;

--
Richard Knoppow
1oldlens1@...
WB6KBL

44320. DL 300 Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-25 18:00:23 UTC
From: Barry
Topic: 44320 Message: 44320

I'm soon to be the new owner of a DL-300 dummy load. I'm curious as to the reason why this design uses a PL-259 instead of an SO-239. I presume it's intended to simply attach directly to the rig instead of using any coax but was wondering if that's it or some other reason. Most of the other D/Ls I've seen have the SO-239 so it seemed odd to me to see the PL-259. Just wondering...

Thanks,
Barry - N4BUQ

44321. Re: [DrakeRadio] Drake T4xB and T4xC differnces

Yahoo group: DrakeRadio (2018)
Date: 2018-04-25 20:21:27 UTC
From: Frank Barnes
Topic: 44315 Message: 44321

Peter, Thanks for the very extensive (and welcome) response!
Frank
W4NPN

On Wed, Apr 25, 2018 at 10:29 AM, VE7PS <ve7ps@...> wrote:

> Frank:
>
> There's a good chance you'll find an extensive list of these in previous
> archived e-mails, but here's a few;
>
> On the T-4XC, drake added a dual dial system, as they did with the TR-4C
> and the R-4C. Single Khz (Kc?) readout was done on the dial as opposed to
> the knob on the B-line, for what may be improved dial accuracy.
>
> The T-4XB had the Mic jack, Vox Gain pot, and the Sidetone/Anti-vox pot on
> the side of the transmitter, whereas on the T-4XC these got moved to the
> back so there NO controls on the sides of the T-4XC.
>
> The T-4XB had one Vox Delay Pot while the T-4XC got separate Vox delay
> pots for CW and SSB.
>
> On the T-4XC, a 5th position was added to the Range Xtal switch for "Fixed
> Frequency" use which was used in conjunction with a front panel mounted
> Xtal socket and trim pot.
>
> The T-4XB (and R-4B) used a Neon bulb over the Main Tuning knob to
> indicate which VFO was in use, rx or tx. On the C-line, the neon buln was
> eliminated and the dial lights switched on and off, depending which one was
> in use.
>
> The C-line added a Carrier Oscillator connection cable between the rx and
> tx to lock the oscillators together when using either the rx VFO or the tx
> VFO for frequency control. The B-line required careful setting of C-61 in
> the R-4B to accomplish that.
>
> The carrier oscillator in the T-4XC was solid-stated from a 12AX7 to a
> 2N5953.
>
> The T-4XB's Voltage regulator on the 150V line, an OA2, was replaced with
> a zener diode at low voltage on the Car Osc.
>
> There was a better system added to the T-4XC, and a jack, to facilitate
> RTTY use.
>

> The 6HS6 premixer in the T-4XB was replaced by a 6EJ7 in the T-4XC.
>
> Late serial # T-4XC's replaced the 6EV7 with a 6FQ7.
>
> Cosmetically, the C-line did not have the brushed aluminum "edge" around
> the front panel - the gray paint went right to the edges. The rear of the
> C-line was completely screened or "paneled" in, whereas in the T-4XB and
> the R-4B, part of it was open.
>
> There were other minor changes as well - most in the choice of transistors
> used.
>
> I doubt this is a complete list. Others can chime in!
>
> Hope that helps.
>
> 73
> Peter
> VE7PS
>
> On 4/25/2018 5:20 AM, Frank Barnes fbw4npn@gmail.com [DrakeRadio] wrote:
>
>
> Can anyone report the difference between the B and C model transmitters?
> Improvement in C model?
> Frank
> W4NPN
>
> --
> Frank Barnes
> W4NPN
> Chapel Hill, NC
> Grid Square FM05
> Cell 919.260.7955
>
>
>
>
>
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient> Virus-free.
> www.avg.com
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>
> <#m_443169225303360610_DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
>

--
Frank Barnes
W4NPN

Chapel Hill, NC
Grid Square FM05
Cell 919.260.7955

44322. Re: [DrakeRadio] Re: R4C AM mode

Yahoo group: DrakeRadio (2018)
Date: 2018-04-25 20:27:25 UTC
From: n9ru@...
Topic: 44131 Message: 44322

Update: I replaced Q6 and everything is good again.
Thanks to everyone for their help and suggestions.
Tom
N9RU

44323. Re: [DrakeRadio] Drake T4xB and T4xC differnces

Yahoo group: DrakeRadio (2018)
Date: 2018-04-25 21:09:04 UTC
From: Steve Wedge
Topic: 44315 Message: 44323

BTW, Frank, I'm right here in Mebane...

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On Apr 25, 2018, at 16:21, Frank Barnes fbw4npn@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Peter, Thanks for the very extensive (and welcome) response!
> Frank
> W4NPN
>
>> On Wed, Apr 25, 2018 at 10:29 AM, VE7PS <ve7ps@...> wrote:
>> Frank:
>>
>> There's a good chance you'll find an extensive list of these in previous archived e-mails, but here's a few;
>>
>> On the T-4XC, drake added a dual dial system, as they did with the TR-4C and the R-4C. Single Khz (Kc?) readout was done on the dial as opposed to the knob on the B-line, for what may be improved dial accuracy.
>>
>> The T-4XB had the Mic jack, Vox Gain pot, and the Sidetone/Anti-vox pot on the side of the transmitter, whereas on the T-4XC these got moved to the back so there NO controls on the sides of the T-4XC.
>>
>> The T-4XB had one Vox Delay Pot while the T-4XC got separate Vox delay pots for CW and SSB.
>>
>> On the T-4XC, a 5th position was added to the Range Xtal switch for "Fixed Frequency" use which was used in conjunction with a front panel mounted Xtal socket and trim pot.
>>
>> The T-4XB (and R-4B) used a Neon bulb over the Main Tuning knob to indicate which VFO was in use, rx or tx. On the C-line, the neon buln was eliminated and the dial lights switched on and off, depending which one was in use.
>>
>> The C-line added a Carrier Oscillator connection cable between the rx and tx to lock the oscillators together when using either the rx VFO or the tx VFO for frequency control. The B-line required careful setting of C-61 in the R-4B to accomplish that.
>>
>> The carrier oscillator in the T-4XC was solid-stated from a 12AX7 to a 2N5953.
>>
>> The T-4XB's Voltage regulator on the 150V line, an OA2, was replaced with a zener diode at low voltage on the Car Osc.
>>

>> There was a better system added to the T-4XC, and a jack, to facilitate RTTY use.
>>
>> The 6HS6 premixer in the T-4XB was replaced by a 6EJ7 in the T-4XC.
>>
>> Late serial # T-4XC's replaced the 6EV7 with a 6FQ7.
>>
>> Cosmetically, the C-line did not have the brushed aluminum "edge" around the front panel - the gray paint went right to the edges. The rear of the C-line was completely screened or "paneled" in, whereas in the T-4XB and the R-4B, part of it was open.
>>
>> There were other minor changes as well - most in the choice of transistors used.
>>
>> I doubt this is a complete list. Others can chime in!
>>
>> Hope that helps.
>>
>> 73
>> Peter
>> VE7PS
>>
>>> On 4/25/2018 5:20 AM, Frank Barnes fbw4npn@gmail.com [DrakeRadio] wrote:
>>>
>>> Can anyone report the difference between the B and C model transmitters? Improvement in C model?
>>> Frank
>>> W4NPN
>>>
>>> --
>>> Frank Barnes
>>> W4NPN
>>> Chapel Hill, NC
>>> Grid Square FM05
>>> Cell 919.260.7955
>>
>>
>> Virus-free. www.avg.com
>
>
>
> --
> Frank Barnes
> W4NPN
> Chapel Hill, NC
> Grid Square FM05
> Cell 919.260.7955
>

44324. Re: [DrakeRadio] DL 300 Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-25 20:04:04 UTC
From: Barry
Topic: 44320 Message: 44324

If it becomes an issue, I'll just use a female-to-female adapter and then a short length of coax. Not a big deal but seems awkward to have it plugged in that way if one is moving the rig around while aligning it, etc.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "VE7PS" <ve7ps@telus.net>
> To: DrakeRadio@yahoogroups.com, "Barry" <n4buq@...>
> Sent: Wednesday, April 25, 2018 1:22:11 PM
> Subject: Re: [DrakeRadio] DL 300 Question
>
> Good question Barry!
>
> I presume it was meant to make things easier when plugged directly into
> an antenna switch, or mounted on the back of the MN-4 or MN-2000 tuners.
>
> Trouble is, I usually use them on my bench, and would like to leave them
> plugged into the back of a wattmeter (usually a WH-7) but when you do
> that there are three issues;
> 1) the shelves where the WH-7 is placed above the bench are not wide
> enough to permit mounting the wattmeter in back.
> 2) with the dummy load plugged into the wattmeter, you need to use an 90
> deg angle connector on the rig side as the dummy load interferes with a
> straight connector.
> 3) if using a W-4, or WH-4 wattmeter, it will tip over backwards with
> the DL-300 plugged directly in back.
>
> I suppose I could "remote" the pick up unit.
>
> On top of all that, with use I find that the body of the "PL-259" gets
> loose. Check often!
>
> My DL-1000's get connected permanently with a cable to the L-4B's and
> L-7, usually via the MN-2000 or MN-2700. They sit on the floor under
> the desk.
>
> YMMV!
>
> 73
> Peter
> VE7PS
>
> On 4/25/2018 11:00 AM, Barry n4buq@... [DrakeRadio] wrote:

> >
> > I'm soon to be the new owner of a DL-300 dummy load. I'm curious as to
> > the reason why this design uses a PL-259 instead of an SO-239. I
> > presume it's intended to simply attach directly to the rig instead of
> > using any coax but was wondering if that's it or some other reason.
> > Most of the other D/Ls I've seen have the SO-239 so it seemed odd to
> > me to see the PL-259. Just wondering...
> >
> > Thanks,
> > Barry - N4BUQ
> >
> >
>
>
>
> ---
> This email has been checked for viruses by AVG.
> http://www.avg.com
>

44325. Re: DL 300 Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-25 22:06:07 UTC
From: wb6zqs@...
Topic: 44320 Message: 44325

Hi Barry,

I don't own that unit, but I believe that you were right in your assumption that it connects directly to your transmitter or transceiver. Since it has PL-259 on it, you could connect a wattmeter w/a pigtail to your rig and screw the DL-300 on the output SO-239 on the wattmeter when measuring rf output power.

73

James - WB6ZQS

44326. Re: [DrakeRadio] Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 00:19:19 UTC
From: John Schoenfeld
Topic: 44222 Message: 44326

Tried couple from Pinball they work and look great. Green frosted are beautiful and much less money than what’s on eBay. Thanks.

Regards
John N1EVR

Sent from my iPhone

> On Apr 19, 2018, at 9:25 AM, Mark Gilger mgilger@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Here is what I use, from Titan Pinball. The blue works great.
>
> https://www.titanpinball.com/index.php?route=product/product&product_id=65
>
> 73's,
>
> Mark, WB0IQK
>
>

44327. Re: [DrakeRadio] Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 01:24:11 UTC
From: Jim Shorney
Topic: 44222 Message: 44327

I get my LEDs from cointaker.com. The warm whites render coloring very close to original with new Lee 172 gel.

73

-jim
NU0C

On Wed, 25 Apr 2018 20:19:19 -0400, John Schoenfeld jschoenf@...
[DrakeRadio] wrote:

>Tried couple from Pinball they work and look great. Green frosted are beautiful and much less money than whatG??s on eBay. Thanks.
>
>Regards
>John N1EVR
>
>Sent from my iPhone
>
>> On Apr 19, 2018, at 9:25 AM, Mark Gilger mgilger@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>> Here is what I use, from Titan Pinball. The blue works great.
>>
>> https://www.titanpinball.com/index.php?route=product/product&product_id=65
>>
>> 73's,
>>
>> Mark, WB0IQK
>>
>>
>

--

"It's an Earth food. They are called Swedish meatballs! It's a strange thing, but every sentient race has its own version of these Swedish meatballs! I suspect it's one of those great universal mysteries which will either never be explained, or which would drive you mad if you ever learned the truth!" - G'Kar, Babylon 5

44328. T-4XC transmit problem

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 03:01:35 UTC
From: k4gm@...
Topic: 44328 Message: 44328

My T-4XC started having intermittent trouble relating to the VOX hanging up on cw. Garey suggested I look at C107 (60 mfd) and the associated tube. I replaced the tube and the problem continued. Finally it stopped working completely. I disconnected the lead to C107 and measured with a capacitance meter. It read zero so is apparently open. I then put two 100 mfd electrolytics (47 mfd on the meter) in series as a temporary substitute but the gain is way down. Even with it fully clockwise the plate current is only 200 ma. Could this be caused by the smaller capacitance (60 mfd vs only 47 mfd) ? Any suggestions would be appreciated.

73, George K4GM

44329. T-4XC transmit problem

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 02:59:45 UTC
From: k4gm@...
Topic: 44329 Message: 44329

My T-4XC started having intermittent trouble relating to the VOX hanging up on cw. Garey suggested I look at C107 (60 mfd) and the associated tube. I replaced the tube and the problem continued. Finally it stopped working completely. I disconnected the lead to C107 and measured with a capacitance meter. It read zero so is apparently open. I then put two 100 mfd electrolytics (47 mfd on the meter) in series as a temporary substitute but the gain is way down. Even with it fully clockwise the plate current is only 200 ma. Could this be caused by the smaller capacitance (60 mfd vs only 47 mfd) ? I would think this difference would be insignificant since its only 20% low. Any suggestions would be appreciated.

44330. Re: [DrakeRadio] T-4XC transmit problem

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 13:35:15 UTC
From: MadScientist1948
Topic: 44329 Message: 44330

The difference in the value of that capacitor will not cause the low plate current you see.

I cannot read the capacitor numbers on my schematic and I have not been able to find a schematic on line that is more clearly scanned than mine.

Where is C107 in the circuit?

What “current” are you measuring when you say "Even with it fully clockwise the plate current is only 200 ma”?

Gary

> On Apr 25, 2018, at 9:59 PM, k4gm@k4gm.com [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> My T-4XC started having intermittent trouble relating to the VOX hanging up on cw. Garey suggested I look at C107 (60 mfd) and the associated tube. I replaced the tube and the problem continued. Finally it stopped working completely. I disconnected the lead to C107 and measured with a capacitance meter. It read zero so is apparently open. I then put two 100 mfd electrolytics (47 mfd on the meter) in series as a temporary substitute but the gain is way down. Even with it fully clockwise the plate current is only 200 ma. Could this be caused by the smaller capacitance (60 mfd vs only 47 mfd) ? I would think this difference would be insignificant since its only 20% low. Any suggestions would be appreciated.
>
>
>
>
>

44331. Re: [DrakeRadio] Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 14:05:43 UTC
From: garywinblad@...
Topic: 44222 Message: 44331

I built my own warm white LED bulbs. With the original gels it looks absolutely beautiful!
I don't know why anyone would use green or blue LEDs, warm white is the way to go.
73,
Gary
WB6OGD

44332. Re: [DrakeRadio] Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 15:00:59 UTC
From: Brian Smith
Topic: 44222 Message: 44332

Speaking of replacement bulbs...did the L4B come with blue gels or bulbs originally or were they clear? Mine now are clear but if it was originally blues, I’d like to change it

44333. Re: [DrakeRadio] Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 15:40:08 UTC
From: Macy monkeys
Topic: 44222 Message: 44333

Blue

> On Apr 26, 2018, at 8:00 AM, Brian Smith k9bps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Speaking of replacement bulbs...did the L4B come with blue gels or bulbs originally or were they clear? Mine now are clear but if it was originally blues, I'd like to change it
>

44334. Re: [DrakeRadio] T-4XC transmit problem

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 15:53:34 UTC
From: VE7PS
Topic: 44329 Message: 44334

George:

You don't say if changing the VOX Tube (6EV7 or 6FQ7) cured the hang-up issues. Usually it does, but you may have to try a couple of them.

I am thinking there are two issues here - one being the VOX hanging up, and one being the low drive.

If changing 2 or 3 tubes at V10 doesn't cure the hangup problem, (leave the 47uf temporary caps in for now at C107 - should be enough), check the voltages on V10. You might also check for cracked or heat damaged resistors and significantly out of tolerance resistors in that area.

VE3EFJ's "Drake Mods 6" refers to VOX hangup issues being caused by gassy mixers or even the 12BY7 driver. He also states that in extreme cases, a fishpaper washer is required inside transformer T6! I can't say I've ever needed to do anything but change the VOX tube.

It probably goes without saying, but is the CW Delay pot set for short duration? Just checkin'.....!

On the low gain issue....I have often found the resistors in the plate of V-9 significantly higher than spec, especially R91, R81, R90 and R89, in that order of frequency from most often to least often. You can check if there are issues by doing voltage checks on the plate of V-9. As they drift high in value, they will reduce plate voltage and gain. I've seen a T-4XC with plate voltage as low as 68V on V-9A when it is supposed to be 95 V. Some of these resistors are hard to find if you do not have Garey's (K4OAH - SK) Service CD's. All 4 of those resistors are on "Board 3" - with the transmitter upside down and facing you, it is right behind the xtal deck on the left side.

Best of luck!

73
Peter
VE7PS

On 4/25/2018 8:01 PM, k4gm@... [DrakeRadio] wrote:
>
> My T-4XC started having intermittent trouble relating to the VOX
> hanging up on cw. Garey suggested I look at C107 (60 mfd) and the
> associated tube.   I replaced the tube and the problem continued.
> Finally it stopped working completely.   I disconnected the lead to
> C107 and measured with a capacitance meter. It read zero so is
> apparently open. I then put two 100 mfd electrolytics (47 mfd on the
> meter) in series as a temporary substitute but the gain is way down.

> Even with it fully clockwise the plate current is only 200 ma. Could
> this be caused by the smaller capacitance (60 mfd vs only 47 mfd) ?
> Any suggestions would be appreciated.
>
>
> 73, George K4GM
>
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

44335. WTB

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 16:16:58 UTC
From: <w2ssx@...>
Topic: 18578 Message: 44335

WTB T4XB and or R4B with clean chassis also looking for 2NT in nice shape.
w2ssx@...

44336. Re: [DrakeRadio] T-4XC transmit problem

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 16:52:34 UTC
From: Ronnie Hull
Topic: 44329 Message: 44336

Just checking to see if my posts are going through please ignore

Sent from my iPhone

> On Apr 26, 2018, at 10:53 AM, VE7PS ve7ps@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> George:
>
> You don't say if changing the VOX Tube (6EV7 or 6FQ7) cured the hang-up issues. Usually it does, but you may have to try a couple of them.
>
> I am thinking there are two issues here - one being the VOX hanging up, and one being the low drive.
>
> If changing 2 or 3 tubes at V10 doesn't cure the hangup problem, (leave the 47uf temporary caps in for now at C107 - should be enough), check the voltages on V10. You might also check for cracked or heat damaged resistors and significantly out of tolerance resistors in that area.
>
> VE3EFJ's "Drake Mods 6" refers to VOX hangup issues being caused by gassy mixers or even the 12BY7 driver. He also states that in extreme cases, a fishpaper washer is required inside transformer T6! I can't say I've ever needed to do anything but change the VOX tube.
>
> It probably goes without saying, but is the CW Delay pot set for short duration? Just checkin'.....!
>
> On the low gain issue....I have often found the resistors in the plate of V-9 significantly higher than spec, especially R91, R81, R90 and R89, in that order of frequency from most often to least often. You can check if there are issues by doing voltage checks on the plate of V-9. As they drift high in value, they will reduce plate voltage and gain. I've seen a T-4XC with plate voltage as low as 68V on V-9A when it is supposed to be 95 V. Some of these resistors are hard to find if you do not have Garey's (K4OAH - SK) Service CD's. All 4 of those resistors are on "Board 3" - with the transmitter upside down and facing you, it is right behind the xtal deck on the left side.
>
> Best of luck!
>
> 73
> Peter
> VE7PS
>
>> On 4/25/2018 8:01 PM, k4gm@... [DrakeRadio] wrote:
>>
>> My T-4XC started having intermittent trouble relating to the VOX hanging up on cw. Garey

suggested I look at C107 (60 mfd) and the associated tube. I replaced the tube and the problem continued. Finally it stopped working completely. I disconnected the lead to C107 and measured with a capacitance meter. It read zero so is apparently open. I then put two 100 mfd electrolytics (47 mfd on the meter) in series as a temporary substitute but the gain is way down. Even with it fully clockwise the plate current is only 200 ma. Could this be caused by the smaller capacitance (60 mfd vs only 47 mfd) ? Any suggestions would be appreciated.
>>
>>
>>
>> 73, George K4GM
>>
>>
>>
>
>
> Virus-free. www.avg.com
>

44337. t4x

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 17:03:16 UTC
From: charlie8584
Topic: 1686 Message: 44337

will tune 80 watts in tube. no output on cw or ssb. ideas?

Sent from my Verizon, Samsung Galaxy smartphone

44338. Re: [DrakeRadio] Re: Alternate source for Drake B Line LED replacement bulbs

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 16:45:32 UTC
From: Eric Moore
Topic: 44222 Message: 44338

My L4B had gels in it. The meters are lit from the edge, so it's not as blue as the 4 line dials. This worst part of the L4B is the face has to be removed to replace the gels.
I bought a huge roll of "gel" online a few years ago, and although it's thinner than what Drake used, I just double it up. If you search the archives I know you will find the info.
First thing I do when I get a new Drake home. Love that blue.
Thanks, Eric K8cca

Happy Connecting. Sent from my Sprint Samsung Galaxy S® 5

-------- Original message --------
From: "Brian Smith k9bps@yahoo.com [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Date: 4/26/18 11:00 AM (GMT-05:00)
To: "garywinblad@comcast.net [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Subject: Re: [DrakeRadio] Re: Alternate source for Drake B Line LED replacement bulbs

Speaking of replacement bulbs...did the L4B come with blue gels or bulbs originally or were they clear? Mine now are clear but if it was originally blues, I’d like to change it

44339. Re: [DrakeRadio] t4x

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 18:41:06 UTC
From: Richard Knoppow
Topic: 1686 Message: 44339

Tune uses pretty much the same path as SSB. The mic amplifier is changed to an audio oscillator and fed to the balanced modulator. 80 watts is low but does say that most of the rig is functioning. In CW and in AM the signal path is slightly different, in SSB the carrier is eliminated by the balanced modulator and the sideband filters. In CW the carrier is allowed to pass through by shifting the frequency of the carrier oscillator so the carrier frequency will pass through the lower sideband filter and the balanced modulator is unbalanced by applying a DC bias to it. The bias is variable by the RF gain control in order to adjust the carrier level. At the same time the mic amp is again converted to an oscillator to provide the CW side tone. The presence of a side tone in CW is an indication that this oscillator is working. A problem with the mic amp will show up in either TUNE or CW by the absence of either a tuning signal or in CW by the absence of the side tone.
The fact that you are getting anything in SSB indicates that the audio oscillator is working and that nearly everything in the signal path is also working. If you are not getting output from the microphone in SSB its an indication that there may be a problem in the mic amp ahead of the point where the oscillator part is fed back to it. No output in CW suggests that either the carrier is not being shifted or the balanced modulator is not being unbalanced. Also, for CW and AM the sideband selector MUST be in Lower Sideband, as marked with an X.
Also, AM uses a similar arrangement to get carrier through the transmitter. Checking this may provide some clue to isolating the problem. AM will not produce full carrier but should produce some without modulation. Again the sideband selector MUST be in lower sideband or X.
Also, check to see if you get any modulation from the mic in AM.
Its possible something is wrong in the audio path between microphone and amplifier that will still allow the TUNE oscillator to work or that the mic or its cable or connector are defective.

On 4/26/2018 10:03 AM, charlie8584 charlie8584@...
[DrakeRadio] wrote:
>
>
>
> will tune 80 watts in tube. no output on cw or ssb. ideas?
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44340. Re: [DrakeRadio] t4x

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 19:44:25 UTC
From: charlie8584
Topic: 1686 Message: 44340

thanks richard. all was working two months ago. turned it on today....no cw sidetone. no ssb when mic keyed and whistle. 20m tunes nearer to 40 on load but figure that may be dirty switch. replaced PS while in shop for vox problem i could not locate and refinal/neutralize. guess its back to the repair bench tol ook for problem.

Sent from my Verizon, Samsung Galaxy smartphone
-------- Original message --------From: Richard Knoppow <1oldlens1@ix.netcom.com> Date: 4/26/18 1:41 PM (GMT-06:00) To: DrakeRadio@yahoogroups.com, charlie8584 <charlie8584@gmail.com> Subject: Re: [DrakeRadio] t4x

Tune uses pretty much the same path as SSB. The mic amplifier is changed to an audio oscillator and fed to the balanced modulator. 80 watts is low but does say that most of the rig is functioning. In CW and in AM the signal path is slightly different, in SSB the carrier is eliminated by the balanced modulator and the sideband filters. In CW the carrier is allowed to pass through by shifting the frequency of the carrier oscillator so the carrier frequency will pass through the lower sideband filter and the balanced modulator is unbalanced by applying a DC bias to it. The bias is variable by the RF gain control in order to adjust the carrier level. At the same time the mic amp is again converted to an oscillator to provide the CW side tone. The presence of a side tone in CW is an indication that this oscillator is working. A problem with the mic amp will show up in either TUNE or CW by the absence of either a tuning signal or in CW by the absence of the side tone.

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Also, check to see if you get any modulation from the mic in AM.

Its possible something is wrong in the audio path between microphone and amplifier that will still allow the TUNE oscillator to work or that the mic or its cable or connector are defective.

On 4/26/2018 10:03 AM, charlie8584 charlie8584@gmail.com
[DrakeRadio] wrote:
>
>
>
> will tune 80 watts in tube. no output on cw or ssb. ideas?
>
>

--
Richard Knoppow
1oldlens1@ix.netcom.com
WB6KBL

44341. Found it! R4A mute problem solved!

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 20:15:19 UTC
From: rhulett1@...
Topic: 44341 Message: 44341

Found the problem using my trusty high tech bamboo skewer! The AGC line seemed hung at -16 volts in standby. Then while making some measurements saw it briefly jump to -36 volts. Got out the skewer, stared pushing and prodding on the AGC board with Q4 on it. Indeed could make voltage jump back and forth. Couldn't see any cracked or cold solder joints, so backed off both board 12 mounting screws and retightened. Now AGC is steady at -36 volts in standby, receiver mutes correctly.

This is about the tenth time my bamboo skewer has come to the rescue. I guess this is the most complex tool am capable of using...

I was on the verge of removing Q4 to test it. And, believe the former owner had the same trouble because Q4 and C109 looked like had been replaced.

Garey's CDs were invaluable, so pleased to have bought them. Between the pictures and the schematics was able to trace the voltages in the AGC circuit.

Garey always admonished to loosen and retighten all board mounting screws to insure grounding. I could almost hear him tell me "I told you so".

73, Curt KB5JO

44342. Re: [DrakeRadio] Found it! R4A mute problem solved!

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 21:13:16 UTC
From: Chuck Curran
Topic: 44341 Message: 44342

Curt

Glad to read about your success, using the bamboo poking stick! Over the years I have collected a army of plastic and/or phenolic sticks, used to upset radio gremlins.

Mine work on a regular basis, now they are demanding a higher wage!

Best Regards and glad you fixed it,

Chuck W9KR

On Thu, Apr 26, 2018 at 3:15 PM, rhulett1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Found the problem using my trusty high tech bamboo skewer! The AGC line
> seemed hung at -16 volts in standby. Then while making some measurements
> saw it briefly jump to -36 volts. Got out the skewer, stared pushing and
> prodding on the AGC board with Q4 on it. Indeed could make voltage jump
> back and forth. Couldn't see any cracked or cold solder joints, so backed
> off both board 12 mounting screws and retightened. Now AGC is steady at
> -36 volts in standby, receiver mutes correctly.
>
> This is about the tenth time my bamboo skewer has come to the rescue. I
> guess this is the most complex tool am capable of using...
>
> I was on the verge of removing Q4 to test it. And, believe the former
> owner had the same trouble because Q4 and C109 looked like had been
> replaced.
>
> Garey's CDs were invaluable, so pleased to have bought them. Between the
> pictures and the schematics was able to trace the voltages in the AGC
> circuit.
>
> Garey always admonished to loosen and retighten all board mounting screws
> to insure grounding. I could almost hear him tell me "I told you so".
>
> 73, Curt KB5JO
>
>

44343. Re: [DrakeRadio] Found it! R4A mute problem solved!

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 21:27:49 UTC
From: VE7PS
Topic: 44341 Message: 44343

Nice going Curt! These things are meant to try us, but oh it's fun when we find the problem!

I keep a set of wooden chopsticks on the bench for live poking and prodding, and just in case anyone drops in with Sushi!

73
Peter
VE7PS

On 4/26/2018 1:15 PM, rhulett1@... [DrakeRadio] wrote:
>
> Found the problem using my trusty high tech bamboo skewer! The AGC
> line seemed hung at -16 volts in standby. Then while making some
> measurements saw it briefly jump to -36 volts. Got out the skewer,
> stared pushing and prodding on the AGC board with Q4 on it. Indeed
> could make voltage jump back and forth. Couldn't see any cracked or
> cold solder joints, so backed off both board 12 mounting screws and
> retightened. Now AGC is steady at -36 volts in standby, receiver
> mutes correctly.
>
> This is about the tenth time my bamboo skewer has come to the rescue.
> I guess this is the most complex tool am capable of using...
>
> I was on the verge of removing Q4 to test it.   And, believe the
> former owner had the same trouble because Q4 and C109 looked like had
> been replaced.
>
> Garey's CDs were invaluable, so pleased to have bought them. Between
> the pictures and the schematics was able to trace the voltages in the
> AGC circuit.
>
> Garey always admonished to loosen and retighten all board mounting
> screws to insure grounding. I could almost hear him tell me "I told
> you so".
>
> 73, Curt KB5JO
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

44344. Re: [DrakeRadio] Found it! R4A mute problem solved!

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 21:37:16 UTC
From: Richard Knoppow
Topic: 44341 Message: 44344

I also use chop sticks to poke at wiring. The skewer is
probably better because the tip is smaller. I sometimes forget
the voodoo of working all the mounting screws. In many cases the
grounds are made through them. After many years the surfaces get
a little corroded. The fix is just to work the screws back and
forth a fraction of a turn a few times. Probably a drop of
contact cleaner might help. Cures many mysterious problems.

On 4/26/2018 1:15 PM, rhulett1@... [DrakeRadio] wrote:
>
>
> Found the problem using my trusty high tech bamboo skewer! The
> AGC line seemed hung at -16 volts in standby.? Then while making
> some measurements saw it briefly jump to -36 volts.? Got out the
> skewer, stared pushing and prodding on the AGC board with Q4 on
> it.? Indeed could make voltage jump back and forth.? Couldn't see
> any cracked or cold solder joints, so backed off both board 12
> mounting screws and retightened.? Now AGC is steady at -36 volts
> in standby, receiver mutes correctly.
>
> This is about the tenth time my bamboo skewer has come to the
> rescue.? I guess this is the most complex tool am capable of using...
>
> I was on the verge of removing Q4 to test it.?? And, believe the
> former owner had the same trouble because Q4 and C109 looked like
> had been replaced.
>
> Garey's CDs were invaluable, so pleased to have bought them.
> Between the pictures and the schematics was able to trace the
> voltages in the AGC circuit.
>
> Garey always admonished to loosen and retighten all board
> mounting screws to insure grounding.? I could almost hear him
> tell me "I told you so".
>
> 73, Curt KB5JO

44345. DeOxit ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 22:46:38 UTC
From: rhulett1@...
Topic: 44345 Message: 44345

I realize this is a controversial subject. Have seen several mentions of using DeOxit, lately to clean relay contacts on a T-4X and ground connections on a R-4A. I own a small vial of the 100% bought some time ago. But, have never had the courage to use it. I know Garey seemed to avoid using it if at all possible, recall some statements about more damage having been done using it than good. I recall his preference for working switch contacts without deoxit because the residue caused future issues.

I guess will use a drop here and there if there is no alternate, but tend to avoid using it. Vial remains unopened.

73, Curt KB5JO

44346. Re: [DrakeRadio] t4x

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 22:53:47 UTC
From: Joni Zornes
Topic: 1686 Message: 44346

Also wiggle all the switches. On my T-4X my USB / LSB switch was intermitten and I had to find another wafer to change it out. It took me a while to figure out it was the problem. The Function and Transceive switches have acted intermitten as well, but not nearly as much. Sometimes a fifty year old radio shows it's age, ha ha

On Thu, Apr 26, 2018 at 2:44 PM, charlie8584 charlie8584@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> thanks richard. all was working two months ago. turned it on today....no
> cw sidetone. no ssb when mic keyed and whistle. 20m tunes nearer to 40 on
> load but figure that may be dirty switch. replaced PS while in shop for vox
> problem i could not locate and refinal/neutralize. guess its back to the
> repair bench tol ook for problem.
>
>
>
> Sent from my Verizon, Samsung Galaxy smartphone
>
> -------- Original message --------
> From: Richard Knoppow <1oldlens1@...>
> Date: 4/26/18 1:41 PM (GMT-06:00)
> To: DrakeRadio@yahoogroups.com, charlie8584 <charlie8584@...>
> Subject: Re: [DrakeRadio] t4x
>
> Tune uses pretty much the same path as SSB. The mic amplifier
> is changed to an audio oscillator and fed to the balanced
> modulator. 80 watts is low but does say that most of the rig is
> functioning. In CW and in AM the signal path is slightly
> different, in SSB the carrier is eliminated by the balanced
> modulator and the sideband filters. In CW the carrier is allowed
> to pass through by shifting the frequency of the carrier
> oscillator so the carrier frequency will pass through the lower
> sideband filter and the balanced modulator is unbalanced by
> applying a DC bias to it. The bias is variable by the RF gain
> control in order to adjust the carrier level. At the same time
> the mic amp is again converted to an oscillator to provide the CW
> side tone. The presence of a side tone in CW is an indication
> that this oscillator is working. A problem with the mic amp will
> show up in either TUNE or CW by the absence of either a tuning
> signal or in CW by the absence of the side tone.
> The fact that you are getting anything in SSB indicates that
> the audio oscillator is working and that nearly everything in the

> signal path is also working. If you are not getting output from
> the microphone in SSB its an indication that there may be a
> problem in the mic amp ahead of the point where the oscillator
> part is fed back to it. No output in CW suggests that either the
> carrier is not being shifted or the balanced modulator is not
> being unbalanced. Also, for CW and AM the sideband selector MUST
> be in Lower Sideband, as marked with an X.
> Also, AM uses a similar arrangement to get carrier through
> the transmitter. Checking this may provide some clue to isolating
> the problem. AM will not produce full carrier but should produce
> some without modulation. Again the sideband selector MUST be in
> lower sideband or X.
> Also, check to see if you get any modulation from the mic in
> AM.
> Its possible something is wrong in the audio path between
> microphone and amplifier that will still allow the TUNE
> oscillator to work or that the mic or its cable or connector are
> defective.
>
> On 4/26/2018 10:03 AM, charlie8584 charlie8584@...
> [DrakeRadio] wrote:
> >
> >
> >
> > > will tune 80 watts in tube. no output on cw or ssb. ideas?
> > >
> > >
> >
> > --
> > Richard Knoppow
> > 1oldlens1@...
> > WB6KBL
> >
> >
> >

44347. Re: [DrakeRadio] Found it! R4A mute problem solved!

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 22:56:18 UTC
From: Joni Zornes
Topic: 44341 Message: 44347

Good deal!

On Thu, Apr 26, 2018 at 4:37 PM, Richard Knoppow 1oldlens1@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

> I also use chop sticks to poke at wiring. The skewer is
> probably better because the tip is smaller. I sometimes forget
> the voodoo of working all the mounting screws. In many cases the
> grounds are made through them. After many years the surfaces get
> a little corroded. The fix is just to work the screws back and
> forth a fraction of a turn a few times. Probably a drop of
> contact cleaner might help. Cures many mysterious problems.
>
> On 4/26/2018 1:15 PM, rhulett1@... [DrakeRadio] wrote:
> >
> >
> > Found the problem using my trusty high tech bamboo skewer! The
> > AGC line seemed hung at -16 volts in standby. Then while making
> > some measurements saw it briefly jump to -36 volts. Got out the
> > skewer, stared pushing and prodding on the AGC board with Q4 on
> > it. Indeed could make voltage jump back and forth. Couldn't see
> > any cracked or cold solder joints, so backed off both board 12
> > mounting screws and retightened. Now AGC is steady at -36 volts
> > in standby, receiver mutes correctly.
> >
> > This is about the tenth time my bamboo skewer has come to the
> > rescue. I guess this is the most complex tool am capable of using...
> >
> > I was on the verge of removing Q4 to test it. And, believe the
> > former owner had the same trouble because Q4 and C109 looked like
> > had been replaced.
> >
> > Garey's CDs were invaluable, so pleased to have bought them.
> > Between the pictures and the schematics was able to trace the
> > voltages in the AGC circuit.
> >
> > Garey always admonished to loosen and retighten all board
> > mounting screws to insure grounding. I could almost hear him
> > tell me "I told you so".
> >
> > 73, Curt KB5JO
>
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> Yahoo Groups Links
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44348. Drake twins

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 19:51:36 UTC
From: Daniel Starley
Topic: 27629 Message: 44348

Received your post looking for Drake twins. I am planning to sell my R-4B and T-4XB to finance a TR-4Cw-RIT.

They both are mint and have been refurbished by WB4HFN.

I also have an FS-4 and a digital frequency readout (set up for the R-4B) if you are interested.

Details available.

73s,

....Dan WA2AVI

danstarley@... mailto:danstarley@... (405) 293-9470

44349. Re: [DrakeRadio] DeOxit ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 23:13:56 UTC
From: Richard Knoppow
Topic: 44345 Message: 44349

Well, I use Deoxit 5 (the spray kind) all the time. I often
spray a little into a cap and apply it with a small brush. It
seems to be quite effective. I don't believe it leaves any
residue or if it does its not conductive. I experimented some
time ago with a Bakelite terminal strip. I measured the
resistance between terminals with two meters; one a General Radio
megohmeter capable of differentiating 100 million megohms from
infinity with a 600 volt source and a Hewlett-Packard 410B also
capable of measuring very high resistances but with a much lower
voltage. Neither showed any difference in resistance before and
after using Deoxit. It is claimed by some that it causes Bakelite
parts to swell. It might for some because there are many kinds of
Bakelite with different fillers. Its possible it swells the
cheapest kind made with paper or wood fiber filler but I doubt it
does for the better kind with fiberglass or other fillers.
I would apply the concentrated liquid kind with either a
very small artists brush or a wooden toothpick. The brush
probably gives you better control and can reach difficult places.
Its worth trying on the relay contacts but if they are
burned you may have to polish them. You can still buy telephone
company type burnishing tools. A google search for contact
burnishing tool will find many. Not expensive. Also, before that
try plain bond writing paper as a burnisher. The paper is very
slightly abrasive and will often clean contacts without taking
much metal off.
Worth cleaning unless a visual inspection shows the contacts
or leafs to be badly burned.
Also make sure its aligned correctly so that the contacts
make with each other.

On 4/26/2018 3:46 PM, rhulett1@... [DrakeRadio] wrote:
>
>
> I realize this is a controversial subject.? Have seen several
> mentions of using DeOxit, lately to clean relay contacts on a
> T-4X and ground connections on a R-4A.? I own a small vial of the
> 100% bought some time ago.? But, have never had the courage to
> use it.? I know Garey seemed to avoid using it if at all
> possible, recall some statements about more damage having been
> done using it than good.? I recall his preference for working
> switch contacts without deoxit because the residue caused future
> issues.
>
> I guess will use a drop here and there if there is no alternate,
> but tend to avoid using it.? Vial remains unopened.

>
> 73, Curt KB5JO
>
Richard Knoppow
1oldlens1@...
WB6KBL

44350. Re: [DrakeRadio] t4x

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 23:22:16 UTC
From: Richard Knoppow
Topic: 1686 Message: 44350

With rotary switches its sometimes helpful to make sure the
long screws that hold it together are tight and the wafers
aligned with each other. Also, toggle and slide switches can get
intermittent or just plain stop working. Often spraying some
Deoxit into them and working them will fix them and they will
stay fixed for a long time.
I also found with some rotary switches that after cleaning
with Deoxit and allowing it to dry I can keep the switches from
getting intermittent again by applying a little silicon grease or
even Vaseline on them with a toothpick or small brush. In fact
this was the recommended method by Boonton Radio for fixing
intermittent oscillator contacts in Q-Meters and RX-Meters. I've
used it on both and it works well. I also tried this on the band
width switch of a couple of Hammarlund SP-600s. These are rotary
switches that would get intermittent. Deoxit fixed them but
sometimes not for long. So, I tried putting a little Vaseline on
and it kept them working for a couple of years.

On 4/26/2018 3:53 PM, Joni Zornes wrote:
> Also wiggle all the switches. On my T-4X my USB / LSB switch was
> intermitten and I had to find another wafer to change it out. It
> took me a while to figure out it was the problem. The Function
> and Transceive switches have acted intermitten as well, but not
> nearly as much. Sometimes a fifty year old radio shows it's age,
> ha ha
I've got almost thirty years on these radios and am still
mostly working OK. Mostly.
WB6KBL

44351. Re: [DrakeRadio] DeOxit ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 23:29:35 UTC
From: Joe toptyp19
Topic: 44345 Message: 44351

Hi Curt-

If it's the Fader Lube I will be happy to take it off your hands.
I've used it for years on pots and low-voltage switches with nothing
but praise. Let me know your price with shipping to 60302.
Thanks.

73, Joe-WA9LAE.

-----Original Message-----
From: "rhulett1@... [DrakeRadio]"
Sent: Apr 26, 2018 5:46 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] DeOxit ?

?

I realize this is a controversial subject.? Have seen several mentions of using DeOxit, lately to clean relay contacts on a T-4X and ground connections on a R-4A.? I own a small vial of the 100% bought some time ago.? But, have never had the courage to use it. I know Garey seemed to avoid using it if at all possible, recall some statements about more damage having been done using it than good.? I recall his preference for working switch contacts without deoxit because the residue caused future issues.

I guess will use a drop here and there if there is no alternate, but tend to avoid using it.? Vial remains unopened.

73, Curt KB5JO

44352. Re: [DrakeRadio] DeOxit ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 23:32:45 UTC
From: Stan Gammons
Topic: 44345 Message: 44352

I'm guessing Garey said that because DeOxit is rather conductive. If
it's used on a component that has high voltage, bad things will happen
if you don't let it completely dry before reapplying power.

73

Stan
KM4HQE

On 04/26/2018 05:46 PM, rhulett1@... [DrakeRadio] wrote:
>
> I realize this is a controversial subject. Have seen several mentions
> of using DeOxit, lately to clean relay contacts on a T-4X and ground
> connections on a R-4A. I own a small vial of the 100% bought some
> time ago. But, have never had the courage to use it. I know Garey
> seemed to avoid using it if at all possible, recall some statements
> about more damage having been done using it than good. I recall his
> preference for working switch contacts without deoxit because the
> residue caused future issues.
>
> I guess will use a drop here and there if there is no alternate, but
> tend to avoid using it. Vial remains unopened.
>
> 73, Curt KB5JO
>
>

44353. Re: [DrakeRadio] T-4XC transmit problem

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 23:41:20 UTC
From: bernard.murphy@...
Topic: 44329 Message: 44353

Try changing out diode CR16 if you have VOX issues. I had a similar problem on a TR-4.

73, Bernie

44354. Re: [DrakeRadio] Found it! R4A mute problem solved!

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 23:45:44 UTC
From: Richard Knoppow
Topic: 44341 Message: 44354

A warning: there are some anti-static adjusting tools that
actually conduct pretty well. Be careful using one as a circuit
poker because you can get bit. The wood or plastic chop sticks
seem to be good insulators.

On 4/26/2018 2:13 PM, Chuck Curran chuck53012@...
[DrakeRadio] wrote:
>
>
> Curt
>
> Glad to read about your success, using the bamboo poking stick!
> Over the years I have collected a army of plastic and/or phenolic
> sticks, used to upset radio gremlins.
>
--
Richard Knoppow
1oldlens1@...
WB6KBL

44355. Re: [DrakeRadio] DeOxit ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 23:39:24 UTC
From: rhulett1@...
Topic: 44345 Message: 44355

Joe,

Not Fader Lube, sorry

Curt KB5JO

44356. Re: [DrakeRadio] DeOxit ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 00:28:51 UTC
From: Barry
Topic: 44345 Message: 44356

It's best not to spray it liberally as, from what I understand, it can become conductive - especially at very high frequencies if it soaks into materials like phenolic, etc. I use the needle applicator bottle and just a drop or two where it's needed works great.

Thanks,
Barry - N4BUQ

> I'm guessing Garey said that because DeOxit is rather conductive. If
> it's used on a component that has high voltage, bad things will happen
> if you don't let it completely dry before reapplying power.
>
>
> 73
>
> Stan
> KM4HQE

44357. Re: [DrakeRadio] DeOxit ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 00:58:20 UTC
From: Stan Gammons
Topic: 44345 Message: 44357

Yes. I've seen it sprayed on a phenolic switch wafer and high voltage applied before the DeOxit had time to dry. The switch wafer caught fire and was damaged almost beyond repair in just a few seconds...

73

Stan
KM4HQE

On 04/26/2018 07:28 PM, Barry wrote:
> It's best not to spray it liberally as, from what I understand, it can become conductive - especially at very high frequencies if it soaks into materials like phenolic, etc. I use the needle applicator bottle and just a drop or two where it's needed works great.
>
> Thanks,
> Barry - N4BUQ
>
>
>> I'm guessing Garey said that because DeOxit is rather conductive. If
>> it's used on a component that has high voltage, bad things will happen
>> if you don't let it completely dry before reapplying power.
>>
>>
>> 73
>>
>> Stan
>> KM4HQE

44358. Re: [DrakeRadio] Found it! R4A mute problem solved!

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 00:24:04 UTC
From: wa4tukradio
Topic: 44341 Message: 44358

The warning about alignment tools being conductive is very true. I once got a "tingle" from working on a TV transmitter screen modulator, RCA vintage 1956. I can truthfully say that I know what video feels like.

Glad you got it fixed!

Pat
wa4tuk

-------- Original message --------
From: "Richard Knoppow 1oldlens1@ix.netcom.com [DrakeRadio]"
Date: 4/26/18 7:45 PM (GMT-05:00)
To: DrakeRadio@yahoogroups.com, Chuck Curran , rhulett1@consolidated.net
Subject: Re: [DrakeRadio] Found it! R4A mute problem solved!

A warning: there are some anti-static adjusting tools that
actually conduct pretty well. Be careful using one as a circuit
poker because you can get bit. The wood or plastic chop sticks
seem to be good insulators.

On 4/26/2018 2:13 PM, Chuck Curran chuck53012@gmail.com
[DrakeRadio] wrote:
>
>
> Curt
>
> Glad to read about your success, using the bamboo poking stick!
> Over the years I have collected a army of plastic and/or phenolic
> sticks, used to upset radio gremlins.
>
--
Richard Knoppow
1oldlens1@ix.netcom.com
WB6KBL

44359. Re: [DrakeRadio] DeOxit ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 01:00:41 UTC
From: Jeffrey Angus
Topic: 44345 Message: 44359

We've ALL heard the "Horror stories" about Caig DeOxit.
The problem is everyone one of them has been "I heard from
someone." Never any direct personal experience.

I've been using DeOxit now for the past 25 years on hundreds
of repairs. I have NEVER had any problems with it.

It is NOT conductive.
What it IS though, is flammable. If you've sprayed contacts that
are liable to arc when switched, i.e. AC line etc, you WILL want
to wait until the carrier solvent has evaporated.

It does NOT make switch wafers well up and break.

Jeff

--

"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44360. Re: [DrakeRadio] DeOxit ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 01:36:42 UTC
From: Richard Knoppow
Topic: 44345 Message: 44360

Again, I made actual measurements with instruments capable
of detecting extremely large resistances and found none, wet or
dry. Just not conductive. A test with acetone found it did
increase leakage and it stayed that way even after days. This was
on brown Bakelite terminal strip material. I have no idea of what
the chemistry was.

On 4/26/2018 6:00 PM, Jeffrey Angus jdangus@... [DrakeRadio]
wrote:
> We've ALL heard the "Horror stories" about Caig DeOxit.
> The problem is everyone one of them has been "I heard from
> someone." Never any direct personal experience.
>
> I've been using DeOxit now for the past 25 years on hundreds
> of repairs. I have NEVER had any problems with it.
>
> It is NOT conductive.
> What it IS though, is flammable. If you've sprayed contacts that
> are liable to arc when switched, i.e. AC line etc, you WILL want
> to wait until the carrier solvent has evaporated.
>
> It does NOT make switch wafers well up and break.
>
> Jeff
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44361. RE: [DrakeRadio] Found it! R4A mute problem solved!

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 01:21:54 UTC
From: Joe
Topic: 44341 Message: 44361

When I first ventured into electronics, I went to work for a TV repair store. One of the first things the owner/tech told me was ***NEVER***use wooden diddle sticks, or anything wooden when poking around the inside of a TV. Wood absorbs moisture. Touch the wrong thing…OOPS!! L

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Found it! R4A mute problem solved!

The warning about alignment tools being conductive is very true. I once got a "tingle" from working on a TV transmitter screen modulator, RCA vintage 1956. I can truthfully say that I know what video feels like.

Glad you got it fixed!

Pat

wa4tuk

-------- Original message --------

From: "Richard Knoppow 1oldlens1@... [DrakeRadio]"

Date: 4/26/18 7:45 PM (GMT-05:00)

To: DrakeRadio@yahoogroups.com, Chuck Curran , rhulett1@...

Subject: Re: [DrakeRadio] Found it! R4A mute problem solved!

A warning: there are some anti-static adjusting tools that
actually conduct pretty well. Be careful using one as a circuit
poker because you can get bit. The wood or plastic chop sticks
seem to be good insulators.

On 4/26/2018 2:13 PM, Chuck Curran chuck53012@...
[DrakeRadio] wrote:
>
>
> Curt
>
> Glad to read about your success, using the bamboo poking stick!
> Over the years I have collected a army of plastic and/or phenolic
> sticks, used to upset radio gremlins.
>
--
Richard Knoppow
1oldlens1@...

WB6KBL

44362. Re: [DrakeRadio] Found it! R4A mute problem solved!

Yahoo group: DrakeRadio (2018)
Date: 2018-04-26 21:32:02 UTC
From: Barry
Topic: 44341 Message: 44362

Good find. Suggest doing that again with a drop of DeoxIT under the lug while it's loose.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "rhulett1@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> To: DrakeRadio@yahoogroups.com
> Sent: Thursday, April 26, 2018 3:15:19 PM
> Subject: [DrakeRadio] Found it! R4A mute problem solved!
>
> Found the problem using my trusty high tech bamboo skewer! The AGC line
> seemed hung at -16 volts in standby. Then while making some measurements
> saw it briefly jump to -36 volts. Got out the skewer, stared pushing and
> prodding on the AGC board with Q4 on it. Indeed could make voltage jump
> back and forth. Couldn't see any cracked or cold solder joints, so backed
> off both board 12 mounting screws and retightened. Now AGC is steady at -36
> volts in standby, receiver mutes correctly.
>
> This is about the tenth time my bamboo skewer has come to the rescue. I
> guess this is the most complex tool am capable of using...
>
> I was on the verge of removing Q4 to test it. And, believe the former owner
> had the same trouble because Q4 and C109 looked like had been replaced.
>
> Garey's CDs were invaluable, so pleased to have bought them. Between the
> pictures and the schematics was able to trace the voltages in the AGC
> circuit.
>
> Garey always admonished to loosen and retighten all board mounting screws to
> insure grounding. I could almost hear him tell me "I told you so".
>
> 73, Curt KB5JO

44363. Having Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 11:13:22 UTC
From: w5sum@...
Topic: 44363 Message: 44363

I have tried to post to this group several times this week, my posts never show up and I'm constantly getting a message back from comcast that basically says that it has been trying to send for X number of hours.

But I'm getting the posts you fellers are sending.

anyone else having issues?

Thanks

Ronnie W5SUM

44364. Re: [DrakeRadio] Having Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 12:12:00 UTC
From: charlie8584
Topic: 44363 Message: 44364

ditch communistcast

Sent from my Verizon, Samsung Galaxy smartphone
-------- Original message --------From: "w5sum@comcast.net [DrakeRadio]" <DrakeRadio@yahoogroups.com> Date: 4/27/18 6:13 AM (GMT-06:00) To: DrakeRadio@yahoogroups.com Subject: [DrakeRadio] Having Issues

I have tried to post to this group several times this week, my posts never show up and I'm constantly getting a message back from comcast that basically says that it has been trying to send for X number of hours.

But I'm getting the posts you fellers are sending.

anyone else having issues?

Thanks

Ronnie W5SUM

44365. Re: [DrakeRadio] DeOxit ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 12:45:13 UTC
From: Curt Nixon
Topic: 44345 Message: 44365

Well, yeah...you gotta follow the directions....:)

On 04/26/18 7:32 PM, Stan Gammons s_gammons@... [DrakeRadio] wrote:
>
> I'm guessing Garey said that because DeOxit is rather conductive. If
> it's used on a component that has high voltage, bad things will happen
> if you don't let it completely dry before reapplying power.
>
>
> 73
>
> Stan
> KM4HQE
>
>
> On 04/26/2018 05:46 PM, rhulett1@... [DrakeRadio] wrote:
>>
>> I realize this is a controversial subject. Have seen several
>> mentions of using DeOxit, lately to clean relay contacts on a T-4X
>> and ground connections on a R-4A. I own a small vial of the 100%
>> bought some time ago. But, have never had the courage to use it. I
>> know Garey seemed to avoid using it if at all possible, recall some
>> statements about more damage having been done using it than good. I
>> recall his preference for working switch contacts without deoxit
>> because the residue caused future issues.
>>
>> I guess will use a drop here and there if there is no alternate, but
>> tend to avoid using it. Vial remains unopened.
>>
>> 73, Curt KB5JO
>>
>>
>
>

44366. Re: [DrakeRadio] DeOxit ?

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 12:43:50 UTC
From: Curt Nixon
Topic: 44345 Message: 44366

I am a staunch Deoxit user. I believe Gary's warnings were related to the spraying of phenolic wafer switches. Doing this, with anything, has the potential to swell the phenolic and cause the switch to sieze up or get so hard to turn that it breaks. I HAVE seen this happen. I regularly clean switch and relay contacts using 99% iso alcohol frst, then just a dampening of the metal only with D5 100%. I use the small plastic bottle with the needle applicator. Caig/Deoxit Fader Lube is very good for pots. They make specific formulas for different applications.

LESS IS MORE!

For relay contacts, some white or brown bond paper and dampen lightly with 99% iso alc. Draw thru the contacts while applying a bit of pressure.

For wafer switches, be careful of swabs that can catch on the contacts and bend them or leave behind filaments (Cotton swabs are bad) foam is a bit better, but I really like chamois swabs that were used for tape head cleaning. A toothpick dipped into Deoxit will do nicely for application also.

Curt
KU8L
55+ Years in Amateur Radio.
50 years in commercial electronic services.

On 04/26/18 6:46 PM, rhulett1@... [DrakeRadio] wrote:
>
> I realize this is a controversial subject. Have seen several mentions
> of using DeOxit, lately to clean relay contacts on a T-4X and ground
> connections on a R-4A. I own a small vial of the 100% bought some
> time ago. But, have never had the courage to use it. I know Garey
> seemed to avoid using it if at all possible, recall some statements
> about more damage having been done using it than good. I recall his
> preference for working switch contacts without deoxit because the
> residue caused future issues.
>
> I guess will use a drop here and there if there is no alternate, but
> tend to avoid using it. Vial remains unopened.
>
> 73, Curt KB5JO
>
>
>

44367. RE: [DrakeRadio] Having Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 13:21:47 UTC
From: Joe
Topic: 44363 Message: 44367

Ron..

Your posts are showing up, you just aren’t getting the ‘echo back’ on your posts. Some users here do, but I never get an ‘echo’ of anything I send, on any of my groups!

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Having Issues

I have tried to post to this group several times this week, my posts never show up and I'm constantly getting a message back from comcast that basically says that it has been trying to send for X number of hours.

But I'm getting the posts you fellers are sending.

anyone else having issues?

Thanks

Ronnie W5SUM

44368. Re: [DrakeRadio] Having Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 17:58:35 UTC
From: Ronnie Hull
Topic: 44363 Message: 44368

That is EXACTLY the errors I’m getting

Sent from my iPhone

> On Apr 27, 2018, at 11:37 AM, Les Zwiebel WB6ORZ <wb6orz@...> wrote:
>
> Same exact problem here.
> (((73)))
> Les WB6ORZ
>
>
> -------- Original message --------
> From: "w5sum@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> Date: 04/27/2018 4:13 AM (GMT-08:00)
> To: DrakeRadio@yahoogroups.com
> Subject: [DrakeRadio] Having Issues
>
> I have tried to post to this group several times this week, my posts never show up and I'm constantly getting a message back from comcast that basically says that it has been trying to send for X number of hours.
>
> But I'm getting the posts you fellers are sending.
>
> anyone else having issues?
>
> Thanks
>
> Ronnie W5SUM
>
>
>
>

44369. RE: [DrakeRadio] Having Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 18:11:37 UTC
From: Joe
Topic: 44363 Message: 44369

NOT seeing your posts, is not an *error*. Very few posters, on any YahooGroup, will see what they post, in an ‘echo’ back to themselves. There are a few that do get the ‘echo’, how, I have no clue.

W5SUM’s posts are coming through with no problems at all.

The one post stating they were getting a ‘hold’ message I can’t respond to, as I have never received one, unless I screwed up and sent a post to a group, using an email address that was not subscribed to that group. L

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] Having Issues

That is EXACTLY the errors I’m getting

Sent from my iPhone

On Apr 27, 2018, at 11:37 AM, Les Zwiebel WB6ORZ <wb6orz@...> wrote:

Same exact problem here.

(((73)))

Les WB6ORZ

-------- Original message --------
From: "w5sum@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Date: 04/27/2018 4:13 AM (GMT-08:00)
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Having Issues

I have tried to post to this group several times this week, my posts never show up and I'm constantly getting a message back from comcast that basically says that it has been trying to send for X number of hours.

But I'm getting the posts you fellers are sending.

anyone else having issues?

Thanks

Ronnie W5SUM

44370. RE: [DrakeRadio] Having Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 18:25:50 UTC
From: Joe
Topic: 44363 Message: 44370

Doing a little digging into this issue. It appears to be an issue with Gmail, rather than YahooGroups. (I am referring to the ‘read error: generic:: failed_precondition:read error ()): error’ messages.

Joe – W7RKN

From: Jim Pruitt [mailto:jpruitt67@...]
Subject: Re: [DrakeRadio] Having Issues

Hi Joe.

I am having the problem across the board with all of my Yahoo group posts. I get a bounced message back telling me that it will be resent for 48 hours then die. In 24 hours I get another message saying it is still failing and in 48 hours it tells me it has stopped trying. It is with all yahoo groups and has been all messages I have sent to any yahoo group. This started about a week or maybe 10 days ago. The error is always:

read error: generic::failed_precondition: read error (0): error

I just replied to Ronnie's message and also replied to group so we will see if it bounces too or if Yahoo has fixed the problem.

Thank you.

Jim Pruitt
WA7DUY

On 4/27/2018 6:21 AM, Joe w7rkn.7@...m [DrakeRadio] wrote:

Ron..

Your posts are showing up, you just aren’t getting the ‘echo back’ on your posts. Some users here do, but I never get an ‘echo’ of anything I send, on any of my groups!

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Having Issues

I have tried to post to this group several times this week, my posts never show up and I'm constantly getting a message back from comcast that basically says that it has been trying to send for X number of hours.

But I'm getting the posts you fellers are sending.

anyone else having issues?

Thanks

Ronnie W5SUM

44371. Re: [DrakeRadio] Having Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 19:04:23 UTC
From: Richard Knoppow
Topic: 44363 Message: 44371

I belong to several Yahoo mailing lists and generally do get
an echo.
Recently I have gotten occasional error messages from Yahoo
saying they can't deliver some message to the list. This appears
to be a transient problem at Yahoo. Sometimes my posts are very
late, days or a week.
Note that some e-mail clients have a setting for incoming
mail where they do not show messages from the sender.

On 4/27/2018 11:11 AM, Joe w7rkn.7@... [DrakeRadio] wrote:
>
>
> ***NOT*** seeing your posts, is not an **error**.? Very few
> posters, on any YahooGroup, will see what they post, in an ?echo?
> back to themselves.? There are a few that do get the ?echo?, how,
> I have no clue.
>
> W5SUM?s posts are coming through with no problems at all.
>
> The one post stating they were getting a ?hold? message I can?t
> respond to, as I have never received one, unless I screwed up and
> sent a post to a group, using an email address that was not
> subscribed to that group. L
>
> Joe ? W7RKN
>
--
Richard Knoppow
1oldlens1@...
WB6KBL

44372. Re: Having Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-04-28 00:52:59 UTC
From: hghesser@...
Topic: 44363 Message: 44372

The only time I ever see my messages is when I'm logged onto Yahoo and send messages from "within".

73 Harv WB6TTF

44373. Drake items for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-04-28 14:55:56 UTC
From: Ryan Scott
Topic: 44373 Message: 44373

Admins, if this is not approved, please remove and thank you.
An upcoming move / marriage forces me to thin the herd of radios I've accumalated over the years. Luckily, my future wife supports my hobby, and I have several radios, I just don't want to move them all!

I am offering the following equipment to the drake forum first before listing elsewhere.
Drake 2C - works - recvd sigs 80-40-20, External calibrator heard on 15 and 10. No accessories.
Cosmetically decent. Electrically sound. Asking $150 Comes with manauls on CD.

Drake 2NT - works - Tested with 80M and 40M, tuned up 20M with the 40M xtal. ABout 45W output on 7025. Cosmetically, maybe a 7 out of 10. Chassis has corrosion on top. Would be
a good idea to replace capacitors. See pictures. Asking $100 ..Comes with manauls on CD.
2C2NT

|
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|
| | |

|

|
|
| |
2C2NT

Shared with Dropbox
|

|

|

Drake R4B/T4XB/AC4/MS4: Working setup with cables included. Unit was serviced by Jeff Covelli in 2006, have documentation of that. AC4 power supply already rebuilt with AC4 kit
by Jeff. Everything works when I pulled it out, blew off the dust, and fired it up. I was
able to get TX on all bands (after working the bandswitch back and forth) although 10 and 15
seemed lower. It has sat for about 8 years since I purchased it at a hamfest. So, it probably needs a little love like controls cleaned, etc to make it work good. But electrically, it's all there. The R4B, is great to listen to. Nothing like an 80M qso with
the blue glow from the faceplate and the smooth audio the R4B is known for. Cosmetically,

the front and exterior is good to excellent, but the chassis has the spots of corrosion that
this vintage is known for. Asking $400 for the entire set. Comes with original manuals.
R4T4

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| | |

|

|
|
| |
R4T4

Shared with Dropbox
|

|

|

All items are open to reasonable offers. Hearing nothing from the forum, I'll place on ebay
in a week or two. Prices above DO NOT Include *actual* shipping costs from 97229. I can deliver to the Seaside Oregon Hamfest in June if you would like.
Email off list to n7qj@... or call 503-880-1214 if interested.

44374. Re: [DrakeRadio] Drake items for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-04-28 18:23:15 UTC
From: MadScientist1948
Topic: 44373 Message: 44374

I will pay $225 for the 2C and 2NT and will send you prepaid shipping lbaels.

Gary

> On Apr 28, 2018, at 9:55 AM, Ryan Scott tweeker42000@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Admins, if this is not approved, please remove and thank you.
>
> An upcoming move / marriage forces me to thin the herd of radios I've accumalated over the
>
> years. Luckily, my future wife supports my hobby, and I have several radios, I just don't
>
> want to move them all!
>
>
> I am offering the following equipment to the drake forum first before listing elsewhere.
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> Drake 2C - works - recvd sigs 80-40-20, External calibrator heard on 15 and 10. No accessories.
>
> Cosmetically decent. Electrically sound. Asking $150 Comes with manauls on CD.
>
>
>
> Drake 2NT - works - Tested with 80M and 40M, tuned up 20M with the 40M xtal. ABout 45W
>
> output on 7025. Cosmetically, maybe a 7 out of 10. Chassis has corrosion on top. Would be
>
> a good idea to replace capacitors. See pictures. Asking $100 ..Comes with manauls on CD.
>
> 2C2NT <https://www.dropbox.com/sh/1b6xxt82zu91xst/AACnu_QVssJrgXUurcz8_Wsia?dl=0>
>
>
> 2C2NT
> Shared with Dropbox
> <https://www.dropbox.com/sh/1b6xxt82zu91xst/AACnu_QVssJrgXUurcz8_Wsia?dl=0>
>
>
>
>
> Drake R4B/T4XB/AC4/MS4: Working setup with cables included. Unit was serviced by Jeff
>

> Covelli in 2006, have documentation of that. AC4 power supply already rebuilt with AC4 kit
>
> by Jeff. Everything works when I pulled it out, blew off the dust, and fired it up. I was
>
> able to get TX on all bands (after working the bandswitch back and forth) although 10 and 15
>
> seemed lower. It has sat for about 8 years since I purchased it at a hamfest. So, it
>
> probably needs a little love like controls cleaned, etc to make it work good. But
>
> electrically, it's all there. The R4B, is great to listen to. Nothing like an 80M qso with
>
> the blue glow from the faceplate and the smooth audio the R4B is known for. Cosmetically,
>
> the front and exterior is good to excellent, but the chassis has the spots of corrosion that
>
> this vintage is known for. Asking $400 for the entire set. Comes with original manuals.
>
> R4T4 <https://www.dropbox.com/sh/n2r7vj7b3qx4lc1/AADrcV2edX2W77z-CHf2lad-a?dl=0>
>
>
> R4T4
> Shared with Dropbox
> <https://www.dropbox.com/sh/n2r7vj7b3qx4lc1/AADrcV2edX2W77z-CHf2lad-a?dl=0>
>
>
>
> All items are open to reasonable offers. Hearing nothing from the forum, I'll place on ebay
>
> in a week or two. Prices above DO NOT Include *actual* shipping costs from 97229. I can
>
> deliver to the Seaside Oregon Hamfest in June if you would like.
>
> Email off list to n7qj@... <mailto:n7qj@...> or call 503-880-1214 if interested.
>
>
>

44375. Re: [DrakeRadio] Drake items for sale

Yahoo group: DrakeRadio (2018)
Date: 2018-04-28 18:28:20 UTC
From: Joe toptyp19
Topic: 44373 Message: 44375

Ryan-
I'll take the 2C if it's not spoken for?
Thanks.
Joe-WA9LAE.

-----Original Message-----
From: "Ryan Scott tweeker42000@... [DrakeRadio]"
Sent: Apr 28, 2018 9:55 AM
To: DrakeRadio , Ryan Scott
Subject: [DrakeRadio] Drake items for sale

?

Admins, if this is not approved, please remove and thank you.

An upcoming move / marriage forces me to thin the herd of radios I've accumalated over the?

years.? Luckily, my future wife supports my hobby, and I have several radios, I just don't?

want to move them all!??

I am offering the following equipment to the drake forum first before listing elsewhere.?

Drake 2C - works - recvd sigs 80-40-20, External calibrator heard on 15 and 10.? No accessories.??

Cosmetically decent.? Electrically sound.? Asking $150? Comes with manauls on CD.

Drake 2NT - works - Tested with 80M and 40M, tuned up 20M with the 40M xtal.? ABout 45W?

output on 7025.? Cosmetically, maybe a 7 out of 10.? Chassis has corrosion on top.? Would be?

a good idea to replace capacitors.? See pictures.? Asking $100 ..Comes with manauls on CD.

2C2NT (https://www.dropbox.com/sh/1b6xxt82zu91xst/AACnu_QVssJrgXUurcz8_Wsia?dl=0)

2C2NT
Shared with Dropbox
(https://www.dropbox.com/sh/1b6xxt82zu91xst/AACnu_QVssJrgXUurcz8_Wsia?dl=0)

Drake R4B/T4XB/AC4/MS4:? Working setup with cables included.? Unit was serviced by Jeff?

Covelli in 2006, have documentation of that.? AC4 power supply already rebuilt with AC4 kit?

by Jeff.? Everything works when I pulled it out, blew off the dust, and fired it up.? I was?

able to get TX on all bands (after working the bandswitch back and forth) although 10 and 15?

seemed lower.? It has sat for about 8 years since I purchased it at a hamfest.? So, it?

probably needs a little love like controls cleaned, etc to make it work good.? But?

electrically, it's all there.? The R4B, is great to listen to.? Nothing like an 80M qso with?

the blue glow from the faceplate and the smooth audio the R4B is known for.? Cosmetically,

the front and exterior is good to excellent, but the chassis has the spots of corrosion that?

this vintage is known for.? Asking $400 for the entire set.? Comes with original manuals.??

R4T4 (https://www.dropbox.com/sh/n2r7vj7b3qx4lc1/AADrcV2edX2W77z-CHf2lad-a?dl=0)

R4T4
Shared with Dropbox
(https://www.dropbox.com/sh/n2r7vj7b3qx4lc1/AADrcV2edX2W77z-CHf2lad-a?dl=0)

All items are open to reasonable offers.? Hearing nothing from the forum, I'll place on ebay?

in a week or two. Prices above DO NOT Include *actual* shipping costs from 97229.? I can?

deliver to the Seaside Oregon Hamfest in June if you would like.? ?

Email off list to n7qj@... or call 503-880-1214 if interested.?

44376. Garey Barrell's (K4OAH) Autobiography

Yahoo group: DrakeRadio (2018)
Date: 2018-04-28 18:51:48 UTC
From: VE7PS
Topic: 44376 Message: 44376

Hi everyone:

I received a link to download the May issue of the K9YA Telegraph this morning and discovered a brief obituary to Garey Barrell, K4OAH, in this issue. I know we all wanted to know more about Garey's story about how he became such a master of all things radio, especially our beloved Drakes, and I was surprised to see in the obit a reference to Garey's autobiography, published in the K9YA Telegraph in 3 parts in April, May and June of 2012, which was before I became a subscriber.

The good people that write, edit, and publish the monthly K9YA Telegraph, a memorial to Robert F. Heytoe, K9YA, have posted those three issues to the site below for all of us to read and download, should you wish. This article goes well beyond the short version from Garey I posted to this list a month or so ago. You can access those issues here:

http://www.k9ya.org/index.php/k9ya-telegraph/back-issues/2012

I would also like to invite you all to subscribe to the K9YA Telegraph, which you can do here;

http://www.k9ya.org

Thanks kindly to Philip Cala-Lazar, K9PL, and to Mike Dinelli, N9BOR, for making these issues available to all of us on the Drake Radio list! It is very much appreciated!

73,
Peter
VE7PS

This email has been checked for viruses by AVG.
http://www.avg.com

44377. Re: [DrakeRadio] DL 300 Question

Yahoo group: DrakeRadio (2018)
Date: 2018-04-28 19:11:33 UTC
From: <km2km@...>
Topic: 44320 Message: 44377

My use of the Drake dummy loads (if you think that the DL300 is awkward, try the DL-1000 its big) is with a 90 degree elbow so that the DL-300 sticks up behind the MN - whatever. That leaves space behind the tuner and the wall. The DL-1000 gets a short coax with barrel connector. I always use an MN-whatever for tuning up so that I can see the power as well as the plate meter on the rig. Then switch and tune the antenna. (Often use an swr analyzer through the MN instead of the rig to tune the antenna.

Kris KM2KM
MERSCHROD
123 Warren Road
Ithaca, NY 14850

---- "Barry n4buq@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

==========
If it becomes an issue, I'll just use a female-to-female adapter and then a short length of coax. Not a big deal but seems awkward to have it plugged in that way if one is moving the rig around while aligning it, etc.

Thanks,
Barry - N4BUQ

----- Original Message -----
> From: "VE7PS" <ve7ps@...>
> To: DrakeRadio@yahoogroups.com, "Barry" <n4buq@knology.net>
> Sent: Wednesday, April 25, 2018 1:22:11 PM
> Subject: Re: [DrakeRadio] DL 300 Question
>
> Good question Barry!
>
> I presume it was meant to make things easier when plugged directly into
> an antenna switch, or mounted on the back of the MN-4 or MN-2000 tuners.
>
> Trouble is, I usually use them on my bench, and would like to leave them
> plugged into the back of a wattmeter (usually a WH-7) but when you do
> that there are three issues;
> 1) the shelves where the WH-7 is placed above the bench are not wide
> enough to permit mounting the wattmeter in back.
> 2) with the dummy load plugged into the wattmeter, you need to use an 90
> deg angle connector on the rig side as the dummy load interferes with a
> straight connector.
> 3) if using a W-4, or WH-4 wattmeter, it will tip over backwards with
> the DL-300 plugged directly in back.
>
> I suppose I could "remote" the pick up unit.
>

> On top of all that, with use I find that the body of the "PL-259" gets
> loose. Check often!
>
> My DL-1000's get connected permanently with a cable to the L-4B's and
> L-7, usually via the MN-2000 or MN-2700. They sit on the floor under
> the desk.
>
> YMMV!
>
> 73
> Peter
> VE7PS
>
> On 4/25/2018 11:00 AM, Barry n4buq@... [DrakeRadio] wrote:
> >
> > I'm soon to be the new owner of a DL-300 dummy load. I'm curious as to
> > the reason why this design uses a PL-259 instead of an SO-239. I
> > presume it's intended to simply attach directly to the rig instead of
> > using any coax but was wondering if that's it or some other reason.
> > Most of the other D/Ls I've seen have the SO-239 so it seemed odd to
> > me to see the PL-259. Just wondering...
> >
> > Thanks,
> > Barry - N4BUQ
> >
> >
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> ---
> This email has been checked for viruses by AVG.
> http://www.avg.com
>

44378. Re: [DrakeRadio] Garey Barrell's (K4OAH) Autobiography

Yahoo group: DrakeRadio (2018)
Date: 2018-04-28 19:35:15 UTC
From: Jim Shorney
Topic: 44376 Message: 44378

Yikes, I have those issues in my archive! Guess I had better go back and re-read them. Thanks Peter!

BTW, you forgot to mention that the subscription to K9YA Telegraph is FREE!

73

-Jim
NU0C

On Sat, 28 Apr 2018 11:51:48 -0700, VE7PS ve7ps@... [DrakeRadio] wrote:

>Hi everyone:
>
>I received a link to download the May issue of the K9YA Telegraph this
>morning and discovered a brief obituary to Garey Barrell, K4OAH, in this
>issue.-? I know we all wanted to know more about Garey's story about how
>he became such a master of all things radio, especially our beloved
>Drakes, and I was surprised to see in the obit a reference to Garey's
>autobiography, published in the K9YA Telegraph in 3 parts in April, May
>and June of 2012, which was before I became a subscriber.
>
>The good people that write, edit, and publish the monthly K9YA
>Telegraph, a memorial to Robert F. Heytoe, K9YA, have posted those three
>issues to the site below for all of us to read and download, should you
>wish.-? This article goes well beyond the short version from Garey I
>posted to this list a month or so ago.-? You can access those issues here:
>
>http://www.k9ya.org/index.php/k9ya-telegraph/back-issues/2012
>
>I would also like to invite you all to subscribe to the K9YA Telegraph,
>which you can do here;
>
>http://www.k9ya.org
>
>Thanks kindly to Philip Cala-Lazar, K9PL, and to Mike Dinelli, N9BOR,
>for making these issues available to all of us on the Drake Radio list!-?
>It is very much appreciated!
>
>73,
>Peter
>VE7PS
>
>
>
>

>---
>This email has been checked for viruses by AVG.
>http://www.avg.com
>

--
Ham Radio NU0C
Lincoln, Nebraska, U.S.S.A.
TR7/RV7/R7A/L7, TR6/RV6, T4XC/R4C/L4B, NCL2000, SB104A, R390A, GT550A/RV550A, HyGain 3750, IBM PS/2 - all vintage, all the time!

"Give a man a URL and he will learn for an hour. Teach him to Google and he will learn for a lifetime."

HyGain 3750 User's Group - http://groups.yahoo.com/group/HyGain_3750/
http://incolor.inetnebr.com/jshorney
http://www.nebraskaghosts.org

44379. Re: [DrakeRadio] Garey Barrell's (K4OAH) Autobiography

Yahoo group: DrakeRadio (2018)
Date: 2018-04-28 19:43:30 UTC
From: VE7PS
Topic: 44376 Message: 44379

Indeed I did forget that! I always seem to have to screw up something -
I'll blame it on old age.

Thanks Jim!

73
Peter
VE7PS

On 4/28/2018 12:35 PM, 'Jim Shorney' jshorney@... [DrakeRadio]
wrote:
> Yikes, I have those issues in my archive! Guess I had better go back and
> re-read them. Thanks Peter!
>
> BTW, you forgot to mention that the subscription to K9YA Telegraph is FREE!
>
> 73
>
> -Jim
> NU0C
>
> On Sat, 28 Apr 2018 11:51:48 -0700, VE7PS ve7ps@... [DrakeRadio] wrote:
>
>> Hi everyone:
>>
>> I received a link to download the May issue of the K9YA Telegraph this
>> morning and discovered a brief obituary to Garey Barrell, K4OAH, in this
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>> he became such a master of all things radio, especially our beloved
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>> http://www.k9ya.org/index.php/k9ya-telegraph/back-issues/2012
>>
>> I would also like to invite you all to subscribe to the K9YA Telegraph,
>> which you can do here;
>>
>> http://www.k9ya.org
>>

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>> for making these issues available to all of us on the Drake Radio list!-
>> It is very much appreciated!
>>
>> 73,
>> Peter
>> VE7PS
>>
>>
>>
>>
>> ---
>> This email has been checked for viruses by AVG.
>> http://www.avg.com
>>
>
> --
> Ham Radio NU0C
> Lincoln, Nebraska, U.S.S.A.
> TR7/RV7/R7A/L7, TR6/RV6, T4XC/R4C/L4B, NCL2000, SB104A, R390A, GT550A/RV550A, HyGain 3750, IBM PS/2 - all vintage, all the time!
>
> "Give a man a URL and he will learn for an hour. Teach him to Google and he will learn for a lifetime."
>
> HyGain 3750 User's Group - http://groups.yahoo.com/group/HyGain_3750/
> http://incolor.inetnebr.com/jshorney
> http://www.nebraskaghosts.org
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44380. Re: [DrakeRadio] Garey Barrell's (K4OAH) Autobiography

Yahoo group: DrakeRadio (2018)
Date: 2018-04-28 19:49:07 UTC
From: <km2km@...>
Topic: 44376 Message: 44380

Many thanks Peter, K9YA, Phillip and Mike,

A great read with humor - Garey's character lives on.

73,

Kris KM2KM
MERSCHROD
123 Warren Road
Ithaca, NY 14850

---- "VE7PS ve7ps@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

==========
Hi everyone:

I received a link to download the May issue of the K9YA Telegraph this morning and discovered a brief obituary to Garey Barrell, K4OAH, in this issue. I know we all wanted to know more about Garey's story about how he became such a master of all things radio, especially our beloved Drakes, and I was surprised to see in the obit a reference to Garey's autobiography, published in the K9YA Telegraph in 3 parts in April, May and June of 2012, which was before I became a subscriber.

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http://www.k9ya.org/index.php/k9ya-telegraph/back-issues/2012

I would also like to invite you all to subscribe to the K9YA Telegraph, which you can do here;

http://www.k9ya.org

Thanks kindly to Philip Cala-Lazar, K9PL, and to Mike Dinelli, N9BOR, for making these issues available to all of us on the Drake Radio list! It is very much appreciated!

73,
Peter
VE7PS

This email has been checked for viruses by AVG.
http://www.avg.com

44381. Re: [DrakeRadio] Drake items for sale --->2C/2NT Pending Sale.<---

Yahoo group: DrakeRadio (2018)
Date: 2018-04-28 19:30:33 UTC
From: Ryan Scott
Topic: 44381 Message: 44381

Greetings, I have sale pending on the 2C and 2NT. There are a few who are in line if those deals don't go through.. has anyone seen the cost of shipping recently?? Yikes to say the least. The B line is possibly pending, but I only have one party interested in it at the moment.
Thanks Ryan
On Saturday, April 28, 2018, 11:28:28 AM PDT, Joe toptyp19 toptyp19@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Ryan-
I'll take the 2C if it's not spoken for?
Thanks.
Joe-WA9LAE.

-----Original Message-----
From: "Ryan Scott tweeker42000@... [DrakeRadio]"
Sent: Apr 28, 2018 9:55 AM
To: DrakeRadio , Ryan Scott
Subject: [DrakeRadio] Drake items for sale

Admins, if this is not approved, please remove and thank you.
An upcoming move / marriage forces me to thin the herd of radios I've accumalated over the years. Luckily, my future wife supports my hobby, and I have several radios, I just don't want to move them all!

I am offering the following equipment to the drake forum first before listing elsewhere.
Drake 2C - works - recvd sigs 80-40-20, External calibrator heard on 15 and 10. No accessories.
Cosmetically decent. Electrically sound. Asking $150 Comes with manauls on CD.

Drake 2NT - works - Tested with 80M and 40M, tuned up 20M with the 40M xtal. ABout 45W output on 7025. Cosmetically, maybe a 7 out of 10. Chassis has corrosion on top. Would be
a good idea to replace capacitors. See pictures. Asking $100 ..Comes with manauls on CD.
2C2NT

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2C2NT

Shared with Dropbox
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Drake R4B/T4XB/AC4/MS4: Working setup with cables included. Unit was serviced by Jeff Covelli in 2006, have documentation of that. AC4 power supply already rebuilt with AC4 kit
by Jeff. Everything works when I pulled it out, blew off the dust, and fired it up. I was
able to get TX on all bands (after working the bandswitch back and forth) although 10 and 15
seemed lower. It has sat for about 8 years since I purchased it at a hamfest. So, it probably needs a little love like controls cleaned, etc to make it work good. But electrically, it's all there. The R4B, is great to listen to. Nothing like an 80M qso with
the blue glow from the faceplate and the smooth audio the R4B is known for. Cosmetically, the front and exterior is good to excellent, but the chassis has the spots of corrosion that
this vintage is known for. Asking $400 for the entire set. Comes with original manuals.
R4T4

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R4T4

Shared with Dropbox
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All items are open to reasonable offers. Hearing nothing from the forum, I'll place on ebay
in a week or two. Prices above DO NOT Include *actual* shipping costs from 97229. I can deliver to the Seaside Oregon Hamfest in June if you would like.
Email off list to n7qj@... or call 503-880-1214 if interested.

44382. Re: [DrakeRadio] Garey Barrell's (K4OAH) Autobiography

Yahoo group: DrakeRadio (2018)
Date: 2018-04-28 21:40:32 UTC
From: blumu
Topic: 44376 Message: 44382

Thanks, Peter, for making this valuable documentation
available to us all. It will join my R-4B reference archive.
Much appreciated!

Michael 2E0IHW
.....

On Samstag, 28. 04 18 19:51, VE7PS ve7ps@... [DrakeRadio] wrote:

> ...Garey's autobiography, published in the K9YA Telegraph in 3 parts in > April, May and June of 2012, which was before I became a subscriber.
>
> The good people that write, edit, and publish the monthly K9YA
> Telegraph, a memorial to Robert F. Heytoe, K9YA, have posted those three
> issues to the site below for all of us to read and download, ...
> Peter
> VE7PS

44383. Very impressive TR 3 Restoration...

Yahoo group: DrakeRadio (2018)
Date: 2018-04-29 02:14:00 UTC
From: bsa0791@...
Topic: 44383 Message: 44383

What do you think?

https://www.youtube.com/watch?v=waP_QLnZBGw https://www.youtube.com/watch?v=waP_QLnZBGw

kb4mng

44384. Re: [DrakeRadio] Garey Barrell's (K4OAH) Autobiography

Yahoo group: DrakeRadio (2018)
Date: 2018-04-29 04:00:19 UTC
From: wa4tukradio
Topic: 44376 Message: 44384

Wow, thanks for sharing. Anyone that followed Garey on this list will appreciate.
Patwa4tuk
-------- Original message --------From: "VE7PS ve7ps@telus.net [DrakeRadio]" <DrakeRadio@yahoogroups.com> Date: 4/28/18 2:51 PM (GMT-05:00) To: DrakeRadio@yahoogroups.com Subject: [DrakeRadio] Garey Barrell's (K4OAH) Autobiography

Hi everyone:

I received a link to download the May issue of the K9YA Telegraph this morning and discovered a brief obituary to Garey Barrell, K4OAH, in this issue. I know we all wanted to know more about Garey's story about how he bece such a master of all things radio, especially our beloved Drakes, and I was surprised to see in the obit a reference to Garey's autobiography, published in the K9YA Telegraph in 3 parts in April, May and June of 2012, which was before I became a subscriber.

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http://www.k9ya.org/index.php/k9ya-telegraph/back-issues/2012

I would also like to invite you all to subscribe to the K9YA Telegraph, which you can do here;

http://www.k9ya.org

Thanks kindly to Philip Cala-Lazar, K9PL, and to Mike Dinelli, N9BOR, for making these issues available to all of us on the Drake Radio list! It is very much appreciated!

73,

Peter

VE7PS

Virus-free. www.avg.com

44385. Re: [DrakeRadio] Garey Barrell's (K4OAH) Autobiography

Yahoo group: DrakeRadio (2018)
Date: 2018-04-29 04:41:44 UTC
From: Jeffrey Angus
Topic: 44376 Message: 44385

On 4/28/18 1:51 PM, VE7PS wrote:
> The good people that write, edit, and publish the monthly
> K9YA Telegraph, a memorial to Robert F. Heytoe, K9YA,
> have posted those three issues to the site below for all of
> us to read and download, should you wish.
I finally got my fat ass and read all three articles.
Well worth the time.
<http://www.k9ya.org/index.php/k9ya-telegraph/back-issues/2012>

From playing with batteries and bells, then graduating to AC
line powered light bulbs, then getting sucked into RTTY. ;-)
And finally deciding to make usable service manuals for the
Drake gear.

You will be missed Gary.
But not forgotten.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44386. Re: [DrakeRadio] Garey Barrell's (K4OAH) Autobiography

Yahoo group: DrakeRadio (2018)
Date: 2018-04-29 05:36:47 UTC
From: VE7PS
Topic: 44376 Message: 44386

Thanks to everyone who sent me thanks for the post!

But it's really the guys at K9YA Telegraph that should be thanked.
Philip, K9PL, was very quick to answer my request, per the article, for those back issues, and as much as I wanted to post them to the Drake Radio group, it wasn't my place to do that, and just letting everyone know about it would have inundated them with requests. So I asked Phil if there was another way, and within a very short time I got an e-mail from Mike, N9BOR, who, it seems, is a Drake Radio list member and knew Garey from past requests for help, indicating to me that he had already posted them at a site we could all reach on our own.

As I read Garey's article in detail myself this afternoon, it took me back to many of the same kinds of memories of making something out of nothing and getting on the air with it. Mine was a 40m xtal controlled 6L6 single tube oscillator. The power supply was ripped out of my Mom's old 1950 console Radio/Record Player. It worked....and...in fact, I'll be driving from Toronto to Dayton next month with a friend I made on 40m CW using that tx, 3 days after getting my license, 6 days after Dana got his. We've been life long friends, did Engineering at U of T (the other one, not UT!), and stood up at each other's weddings. We celebrate 49 years as licensed hams while at Hamvention this year. Boy, our time goes fast, doesn't it!

One other thing....I misspelled*Robert F. Heytow's*, *K9YA*, name in my post earlier, and just want to make that correction. Next time I check the spelling of someone's name I'll put my reading glasses on first!

And again, for those of you who would like to subscribe, or even write, for the K9YA Telegraph, you can get the info and your *FREE *(thanks again Jim!) monthly subscription here;

http://www.k9ya.org/

73 all, and enjoy,

Peter
VE7PS

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http://www.avg.com

44387. Re: [DrakeRadio] Having Issues

Yahoo group: DrakeRadio (2018)
Date: 2018-04-27 11:57:45 UTC
From: Barry
Topic: 44363 Message: 44387

My last one was delayed about 12 hours or more.

It's odd. Sometimes my posts come through almost immediately then another message the same day gets delayed. It's like I get one chance and then have to get in the back of a very long line...

Thanks,
Barry - N4BUQ

> I have tried to post to this group several times this week, my posts never
> show up and I'm constantly getting a message back from comcast that
> basically says that it has been trying to send for X number of hours.
>
> But I'm getting the posts you fellers are sending.
>
> anyone else having issues?
>
> Thanks
>
> Ronnie W5SUM

44388. T-4XC Low Power Out

Yahoo group: DrakeRadio (2018)
Date: 2018-04-29 18:09:38 UTC
From: k4gm@...
Topic: 44388 Message: 44388

The output was very low.... I had about 35 watts max when I had been getting 120w out before. Replaced the 12BY7 driver tube and output went up to 75 watts. Upon key down the power hits 90-95 watts and then goes down to 70-75 watts. Tube voltages on pins 4-9 are very close to what is stated in the manual. Pin 3 should be zero but reads 12vdc. Pin 2 should be -2.8v but is only -1.1v . Pin 1 should be 0 but is at .7v. Resistance on pin 2 is infinity but manual says it should be 97K. I measured the resistance of CR19 in the V4 cathode circuit. Reverse is infinity but forward is very high: 206K. CR19 may well be the culprit. I am continuing to trouble shoot but would appreciate any comments especially regarding that high voltage on pin 3.

73, George K4GM

44389. Re: [DrakeRadio] T-4XC Low Power Out

Yahoo group: DrakeRadio (2018)
Date: 2018-04-29 19:37:41 UTC
From: Bob Loving
Topic: 44388 Message: 44389

George, I have a T-4XC that would operate for a short period of time and then the output power would go to zero. CR19 measured OK until it heated up. I was able to verify this with the TX unpowered by using the diode function of a DMM and a soldering iron to heat the diode. A 1N4003 diode was used for the repair.
73, Bob K9JUMaryville, TN

On Sunday, April 29, 2018 2:19 PM, "k4gm@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

The output was very low.... I had about 35 watts max when I had been getting 120w out before. Replaced the 12BY7 driver tube and output went up to 75 watts. Upon key down the power hits 90-95 watts and then goes down to 70-75 watts. Tube voltages on pins 4-9 are very close to what is stated in the manual. Pin 3 should be zero but reads 12vdc. Pin 2 should be -2.8v but is only -1.1v . Pin 1 should be 0 but is at .7v. Resistance on pin 2 is infinity but manual says it should be 97K. I measured the resistance of CR19 in the V4 cathode circuit. Reverse is infinity but forward is very high: 206K. CR19 may well be the culprit. I am continuing to trouble shoot but would appreciate any comments especially regarding that high voltage on pin 3.
73, George K4GM

44390. Re: [DrakeRadio] T-4XC Low Power Out

Yahoo group: DrakeRadio (2018)
Date: 2018-04-29 19:57:03 UTC
From: Richard Knoppow
Topic: 44388 Message: 44390

There may be errors in the charts. Pin 1 of the 6BY7 is the
cathode which goes to ground through a 10K resistor. The voltage
there can be zero only if the tube is completely shut off.
Pin 2 is the control grid. It goes to a rather convoluted
circuit to one of the function switches. I can't trace it out on
the screen of my computer. For this sort of thing its very
helpful to have the schematic printed out large scale and trace
the circuits with a colored pencil or high-lighter. I don't see
how the resistance can be infinity but I can't see where all of
it goes. Pin 2 is getting its bias via R-55 from a -55 V source
through a 2.2 meg resistor. I would check this resistor for
value, it may have gone up substantially. The other side goes to
a function switch and I can't tell from the electronic schematic
where it eventually goes.
When checking resistances always reverse the leads and
measure both ways, it sometimes makes a big difference.
In any case take the R and V values of the chart with a grain
of salt.

On 4/29/2018 11:09 AM, k4gm@... [DrakeRadio] wrote:
>
>
> The output was very low.... ? I had about 35 watts max when?I had
> been ?getting 120w out before. ?Replaced the 12BY7 driver tube
> and?output went up to 75 watts. ?Upon key down the power hits
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> culprit. ?I am continuing to trouble shoot but would appreciate
> any comments especially regarding that high voltage on pin 3.
>
> 73, George K4GM

>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44391. Re: [DrakeRadio] Garey Barrell's (K4OAH) Autobiography

Yahoo group: DrakeRadio (2018)
Date: 2018-04-29 20:56:50 UTC
From: toptyp19@...
Topic: 44376 Message: 44391

First, thanks Peter verrrry much! I've already subscribed to the K9YA Telegraph!
Now, for my short story:

I was in tears of laughter as I read of Garey's QSO struggles with his mother's electric skillet.
I would come home from high school and fire up my Eico 720 into my newly constructed SB-220 amp and 20M groundplane with 11 wire radials strung randomly through the tree limbs. I could input about 500W until the lights dimmed on key down (amp wired for 120V because the
AC circuit only good for 15A). Lots of DX on CW 'cuz the sunspot cycle was peaking.
I would be in the middle of an exchange with some rare DX station when my grandmother would turn on the iron in the adjoining bedroom (she ran a dressmaking business out of our house). Poof! would go the fuse (no circuit breakers yet!). I would let out a yelp and so would she! Run down to the basement and switch out the fuse. Needless to say, the ironing won out! Usually, I had to wait until much later in the evening to use the amp!

73, Joe-WA9LAE.

44392. VOMAX Speech processor for sale..excellent cond.

Yahoo group: DrakeRadio (2018)
Date: 2018-04-30 16:38:47 UTC
From: Kc9cdt@...
Topic: 44392 Message: 44392

I have a VoMax Speech processor for sale.
I have used it on Drake, Collins and Halli.
It is in great condition and works as it should. All manuals & documentation included. Has 1/4 in phono jack on it but of course that can be swapped for whatever you want. With powers supply.

Gives up to 16 DB of compression...less than 10% total Harmonic distortion. Freq response 400-2600.

I would like $135 shipped Cont US.

73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

44393. F.S. Drake W-4 HF wattmeter

Yahoo group: DrakeRadio (2018)
Date: 2018-04-30 20:40:54 UTC
From: Joseph Trombino, Jr
Topic: 44393 Message: 44393

Howdy Fellow Drakesters.

I have for sale a very nice Drake W-4 HF wattmeter in FB working and physical condition.

Comes with the original Drake manual (hard to find these days).

Will ship for $85.

73, Joe W2KJ

44394. Re: [DrakeRadio] VOMAX Speech processor for sale..excellent cond.

Yahoo group: DrakeRadio (2018)
Date: 2018-04-30 20:42:13 UTC
From: rar100
Topic: 44392 Message: 44394
Attachments: 1 described; binary payloads are missing from this source WARC

Unsolicited testimonial.The Vomax, made by ETO (as in Alpha Amps.) back in the day. I’ve got one and they work very well, but keep the gain around 8.5-9:00. There is a “sweet” spot where it makes a big difference with no detectable distortion. Easy hook-up too.

Rick
W9WS

> On Apr 30, 2018, at 11:38 AM, Kc9cdt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I have a VoMax Speech processor for sale.
>
> I have used it on Drake, Collins and Halli.
> It is in great condition and works as it should. All manuals & documentation included. Has 1/4 in phono jack on it but of course that can be swapped for whatever you want. With powers supply.
>
> Gives up to 16 DB of compression...less than 10% total Harmonic distortion. Freq response 400-2600.
>
> I would like $135 shipped Cont US.
>
> 73,
> Lee
>
>
> Lee Simmonds
> Summit DCS
>
> 260-403-6936 Cell
>
>

44395. Methods for aligning Drake twins

Yahoo group: DrakeRadio (2018)
Date: 2018-04-30 22:08:55 UTC
From: johng101501@...
Topic: 44395 Message: 44395

Hello, I was curious of the methods that members here use to align their Drake twins, after searching previous posts, I am wondering the best methods, I have an R4A that is aligned to the T - by one of the Drake repair techs---- I am now going to replace the finals and driver tubes in a T4X and want to align them together. I already know about c-61 to net them together- but do you use a signal generator or the R4A connected to the inj on the T4x? I have found two different procedures , one with a sig generator with an alignment load of capacitors and a resistor , and one without a sig gen at all------kinda confusing. Whats best?

44396. The VOMAX I had for sale is spoken for..Thanks

Yahoo group: DrakeRadio (2018)
Date: 2018-04-30 22:58:18 UTC
From: Kc9cdt@...
Topic: 44396 Message: 44396

Lee Simmonds
Summit DCS

260-403-6936 Cell

44397. Re: [DrakeRadio] Methods for aligning Drake twins

Yahoo group: DrakeRadio (2018)
Date: 2018-04-30 23:56:45 UTC
From: Curt Nixon
Topic: 44395 Message: 44397

Once you use a spectrum analyzer and tracking gen set up for alignment and filter adjustment, you will never want to go back to the Darkness! :)

Curt
KU8L

On 4/30/2018 6:08 PM, johng101501@... [DrakeRadio] wrote:

Hello, I was curious of the methods that members here use to align their Drake twins, after searching previous posts, I am wondering the best methods, I have an R4A that is aligned to the T - by one of the Drake repair techs---- I am now going to replace the finals and driver tubes in a T4X and want to align them together. I already know about c-61 to net them together- but do you use a signal generator or the R4A connected to the inj on the T4x? I have found two different procedures , one with a sig generator with an alignment load of capacitors and a resistor , and one without a sig gen at all------kinda confusing. Whats best?

(https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=icon)

Virus-free. www.avast.com (https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=link)

44398. Re: [DrakeRadio] Methods for aligning Drake twins

Yahoo group: DrakeRadio (2018)
Date: 2018-05-01 00:40:26 UTC
From: john g
Topic: 44395 Message: 44398

sounds good curt- I just need to have someone show me how to do it? , and pony up the bucks!

On ☐Monday☐, ☐April☐ ☐30☐, ☐2018☐ ☐08☐:☐07☐:☐02☐ ☐PM☐ ☐EDT, Curt Nixon captcurt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Once you use a spectrum analyzer and tracking gen set up for alignment and filter adjustment, you will never want to go back to the Darkness! :)

Curt
KU8L

On 4/30/2018 6:08 PM, johng101501@yahoo.com [DrakeRadio] wrote:

Hello, I was curious of the methods that members here use to align their Drake twins, after searching previous posts, I am wondering the best methods, I have an R4A that is aligned to the T - by one of the Drake repair techs---- I am now going to replace the finals and driver tubes in a T4X and want to align them together. I already know about c-61 to net them together- but do you use a signal generator or the R4A connected to the inj on the T4x? I have found two different procedures , one with a sig generator with an alignment load of capacitors and a resistor , and one without a sig gen at all------kinda confusing. Whats best?

| | Virus-free. www.avast.com |

44399. Re: [DrakeRadio] Methods for aligning Drake twins

Yahoo group: DrakeRadio (2018)
Date: 2018-05-01 01:25:28 UTC
From: VE7PS
Topic: 44395 Message: 44399

John:

As you get into these things it becomes a matter of personal preference.

My take on 4-line alignment......subject to change or better advice!

I don't yet have a Rigol 815TG...but working on it....so I rarely mess with the IF parts in the rx and tx. I find them broad tuning and messing with them never seems to make much difference. Maybe a Spec A would change that?

The oscillator and RF sections are a different story. You can use the xtal calibrator, but on the rx's I like to use an HP 8640B Sig Gen for tune-up of the RF and OSC sections, mainly cuz when I am done I can back the signal gennie down to -130dB and see if I can hear the signal. On the tx, I use a WH-7 wattmeter on the 20 watt scale into a DL-300 dummy load so I can keep the power down and not stress the finals. *One thing - use an insulated screwdriver to adjust those trimmers!!! *Otherwise, you will be looking for a burned out resistor.

I align each one separately, then tweak the INJ trimmers with them connected together. Should be close enough for horseshoes.

If it's a B-line you are working on, and you are doing the C-61 netting, pay attention to the manual where it describes what your Preselector tuning should be at to hear the tweet! It's not the normal position for the 3.5 Mhz position you're BANDSWITCH is on!

For PA neutralization - take the time to disconnect the screen voltage at the feedthrough caps into the grid compartment of the finals, and use a scope to minimize the feedthrough at the PA output after you've tuned the radio up on 10M into a 50 ohm dummy load with all voltages applied. This works SO well! *Just be very aware of the proximity of killer voltages in that area and take the requisite precautions.

YMMV!

*Just one old ham's opinion.

73
Peter
VE7PS

On 4/30/2018 3:08 PM, johng101501@... [DrakeRadio] wrote:
>
> Hello, I was curious of the methods that members here use to align
> their Drake twins, after searching previous posts, I am wondering the
> best methods, I have an R4A that is aligned to the T - by one of the

> Drake repair techs---- I am now going to replace the finals and driver
> tubes in a T4X and want to align them together. I already know about
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> capacitors and a resistor , and one without a sig gen at
> all------kinda confusing. Whats best?
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

44400. Re: [DrakeRadio] Methods for aligning Drake twins

Yahoo group: DrakeRadio (2018)
Date: 2018-05-01 01:35:25 UTC
From: Dave Edwards
Topic: 44395 Message: 44400

I'd love to see a video on how to do it also.

Might have to start saving my pennies for the gear if I knew how!

....Dave

On 4/30/18 8:40 PM, john g johng101501@... [DrakeRadio] wrote:
> sounds good curt- I just need to have someone show me how to do it? ,
> and pony up the bucks!
>
> On ☐Monday☐, ☐April☐ ☐30☐, ☐2018☐ ☐08☐:☐07☐:☐02☐ ☐PM☐ ☐EDT, Curt Nixon
> captcurt@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Once you use a spectrum analyzer and tracking gen set up for alignment
> and filter adjustment, you will never want to go back to the Darkness! :)
>
> Curt
> KU8L
>
> On 4/30/2018 6:08 PM, johng101501@...
> <mailto:johng101501@...> [DrakeRadio] wrote:
>>
>> Hello, I was curious of the methods that members here use to align
>> their Drake twins, after searching previous posts, I am wondering the
>> best methods, I have an R4A that is aligned to the T - by one of the
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44401. Re: [DrakeRadio] Methods for aligning Drake twins

Yahoo group: DrakeRadio (2018)
Date: 2018-05-01 01:51:14 UTC
From: Jeffrey Angus
Topic: 44395 Message: 44401

On 4/30/18 6:56 PM, Curt Nixon wrote:
> Once you use a spectrum analyzer and tracking gen set
> up for alignment and filter adjustment, you will never want
> to go back to the Darkness! :)
I have an HP141T spectrum analyzer, with both the 110 MHz
RF section and the 1200 MHz section, and the matching 10 and
2 dB and linear scale.
Along with the matching tracking generators for both.

In all honesty, using an HP 3325B synthesizer and a simple X-Y
scope is plenty adequate.

I have to mention, again, that an HP 8640 signal generator will
NOT go below 512 KHz without the external mixer kit.

The limitation of the 3325B is the range, DC-20 MHz. And the
output is calibrated down to -53 dBm. (S-9 +20 dB. An external
attenuator will solve that problem.

The absolute BEST thing a spectrum analyzer is good for is seeing
that signals are indeed where they belong.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44402. Re: [DrakeRadio] Methods for aligning Drake twins

Yahoo group: DrakeRadio (2018)
Date: 2018-05-01 02:19:33 UTC
From: Barry
Topic: 44395 Message: 44402

Are you talking about both the 8640A and 8640B? I've never owned an 8640A so I can't speak for those, but the 8640Bs I've had (and, from what I've read, they're not anomolies in this respect) will go well below 512kHz. They're spec'd at 512kHz but I've seen them get down to 455kHz and, perhaps, a few kHz below that depending on the unit.

Happily, I finally got an 11710B not too long ago so that's not much of an issue anymore.

Thanks,
Barry - N4BUQ

> I have to mention, again, that an HP 8640 signal generator will
> NOT go below 512 KHz without the external mixer kit.
>
> The limitation of the 3325B is the range, DC-20 MHz. And the
> output is calibrated down to -53 dBm. (S-9 +20 dB. An external
> attenuator will solve that problem.
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> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
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> ------------------------------------
> Posted by: Jeffrey Angus <jdangus@...>
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44403. Re: [DrakeRadio] Methods for aligning Drake twins

Yahoo group: DrakeRadio (2018)
Date: 2018-05-01 13:00:47 UTC
From: Curt Nixon
Topic: 44395 Message: 44403

Hi Jeff:

Yes on the scope and synth....but if you are sweeping the synth and triggering a ramp for the scope, you have a spec analyzer!. I have done it that way as well...before I got my 8500xx HP systems.

Even something like an SDR and a flat noise generator can do nice things for an IF alignment.

Overall, probably not noticeably better result than doing it by the book in the case of the Drakes, but it does allow you to really see what is going on in the PB filters and solid placement of carriers within the PB for Tx. Better than doing it by ear.

Still, justifying a 1500.00 cheapy SA is difficult. I like the old stuff...bigger and heaviewr, but maintainable.

Curt

On 04/30/18 9:51 PM, Jeffrey Angus jdangus@... [DrakeRadio] wrote:
>
> On 4/30/18 6:56 PM, Curt Nixon wrote:
> > Once you use a spectrum analyzer and tracking gen set
> > up for alignment and filter adjustment, you will never want
> > to go back to the Darkness! :)
> I have an HP141T spectrum analyzer, with both the 110 MHz
> RF section and the 1200 MHz section, and the matching 10 and
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> scope is plenty adequate.
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> The absolute BEST thing a spectrum analyzer is good for is seeing
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>
> --
> "I am a river to my people."
> Jeff-1.0

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>

44404. Fwd: [DrakeRadio] Digest Number 4842

Yahoo group: DrakeRadio (2018)
Date: 2018-05-01 15:03:32 UTC
From: billnopic
Topic: 44404 Message: 44404

Sent from my Samsung Galaxy smartphone.
-------- Original message --------From: DrakeRadio@yahoogroups.com Date: 4/30/18 20:06 (GMT-05:00) To: DrakeRadio@yahoogroups.com Subject: [DrakeRadio] Digest Number 4842

Drake Radios Group

15
Messages

Digest #4842

1

Very impressive TR 3 Restoration...

by
bsa0791

2a

Re: Garey Barrell's (K4OAH) Autobiography

by
"wa4tukradio"

2b

Re: Garey Barrell's (K4OAH) Autobiography

by
"Jeffrey Angus"
grendelair

2c

Re: Garey Barrell's (K4OAH) Autobiography

by
"VE7PS"
ve7ps

2d

Re: Garey Barrell's (K4OAH) Autobiography

by
toptyp19

3a

Re: Having Issues

by
"Barry"
n4buq

4a

T-4XC Low Power Out

by
k4gm2003

4b

Re: T-4XC Low Power Out

by
"Bob Loving"
bob.loving@sbcglobal.net

4c

Re: T-4XC Low Power Out

by
"Richard Knoppow"
reknoppow

5a

VOMAX Speech processor for sale..excellent cond.

by
lbsrcflyer

5b

Re: VOMAX Speech processor for sale..excellent cond.

by
"rar100"
w9wsradio

6

F.S. Drake W-4 HF wattmeter

by
"Joseph Trombino, Jr"
cwqrper

7a

Methods for aligning Drake twins

by
johng101501

7b

Re: Methods for aligning Drake twins

by
"Curt Nixon"
captcurt2000

8

The VOMAX I had for sale is spoken for..Thanks

by
lbsrcflyer

Messages

1

Very impressive TR 3 Restoration...

Sat Apr 28, 2018 7:14 pm (PDT) . Posted by:

bsa0791

What do you think?

https://www.youtube.com/watch?v=waP_QLnZBGw https://www.youtube.com/watch?v=waP_QLnZBGw

kb4mng

Reply to sender

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All Messages (1)

.

Top ^

2a

Re: Garey Barrell's (K4OAH) Autobiography

Sat Apr 28, 2018 9:00 pm (PDT) . Posted by:

"wa4tukradio"

Wow, thanks for sharing. Anyone that followed Garey on this list will appreciate.

Patwa4tuk

-------- Original message --------From: "VE7PS ve7ps@telus.net [DrakeRadio]" <DrakeRadio@yahoogroups.com> Date: 4/28/18 2:51 PM (GMT-05:00) To: DrakeRadio@yahoogroups.com Subject: [DrakeRadio] Garey Barrell's (K4OAH) Autobiography

Hi everyone:

I received a link to download the May issue of the K9YA Telegraph

this morning and discovered a brief obituary to Garey Barrell,

K4OAH, in this issue. I know we all wanted to know more about

Garey's story about how he bece such a master of all things radio,

especially our beloved Drakes, and I was surprised to see in the

obit a reference to Garey's autobiography, published in the K9YA

Telegraph in 3 parts in April, May and June of 2012, which was

before I became a subscriber.

The good people that write, edit, and publish the monthly K9YA

Telegraph, a memorial to Robert F. Heytoe, K9YA, have posted those

three issues to the site below for all of us to read and download,

should you wish. This article goes well beyond the short version

from Garey I posted to this list a month or so ago. You can access

those issues here:

http://www.k9ya.org/index.php/k9ya-telegraph/back-issues/2012

I would also like to invite you all to subscribe to the K9YA

Telegraph, which you can do here;

http://www.k9ya.org

Thanks kindly to Philip Cala-Lazar, K9PL, and to Mike Dinelli,

N9BOR, for making these issues available to all of us on the Drake

Radio list! It is very much appreciated!

73,

Peter

VE7PS

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All Messages (9)

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Top ^

2b

Re: Garey Barrell's (K4OAH) Autobiography

Sat Apr 28, 2018 10:01 pm (PDT) . Posted by:

"Jeffrey Angus" grendelair

On 4/28/18 1:51 PM, VE7PS wrote:

> The good people that write, edit, and publish the monthly

> K9YA Telegraph, a memorial to Robert F. Heytoe, K9YA,

> have posted those three issues to the site below for all of

> us to read and download, should you wish.

I finally got my fat ass and read all three articles.

Well worth the time.

<http://www.k9ya.org/index.php/k9ya-telegraph/back-issues/2012>

From playing with batteries and bells, then graduating to AC

line powered light bulbs, then getting sucked into RTTY. ;-)

And finally deciding to make usable service manuals for the

Drake gear.

You will be missed Gary.

But not forgotten.

--

"I am a river to my people."

Jeff-1.0

WA6FWI

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All Messages (9)

.

Top ^

2c

Re: Garey Barrell's (K4OAH) Autobiography

Sat Apr 28, 2018 10:36 pm (PDT) . Posted by:

"VE7PS" ve7ps

Thanks to everyone who sent me thanks for the post!

But it's really the guys at K9YA Telegraph that should be thanked.

Philip, K9PL, was very quick to answer my request, per the article, for those back issues, and as much as I wanted to post them to the Drake Radio group, it wasn't my place to do that, and just letting everyone know about it would have inundated them with requests. So I asked Phil if there was another way, and within a very short time I got an e-mail from Mike, N9BOR, who, it seems, is a Drake Radio list member and knew Garey from past requests for help, indicating to me that he had already posted them at a site we could all reach on our own.

As I read Garey's article in detail myself this afternoon, it took me

back to many of the same kinds of memories of making something out of nothing and getting on the air with it. Mine was a 40m xtal controlled 6L6 single tube oscillator. The power supply was ripped out of my Mom's old 1950 console Radio/Record Player. It worked....and...in fact, I'll be driving from Toronto to Dayton next month with a friend I made on 40m CW using that tx, 3 days after getting my license, 6 days after Dana got his. We've been life long friends, did Engineering at U of T (the other one, not UT!), and stood up at each other's weddings. We celebrate 49 years as licensed hams while at Hamvention this year. Boy, our time goes fast, doesn't it!

One other thing....I misspelled*Robert F. Heytow's*, *K9YA*, name in my post earlier, and just want to make that correction. Next time I check the spelling of someone's name I'll put my reading glasses on first!

And again, for those of you who would like to subscribe, or even write, for the K9YA Telegraph, you can get the info and your *FREE *(thanks again Jim!) monthly subscription here;

http://www.k9ya.org/

73 all, and enjoy,

Peter

VE7PS

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http://www.avg.com

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Reply via Web Post

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All Messages (9)

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Top ^

2d

Re: Garey Barrell's (K4OAH) Autobiography

Sun Apr 29, 2018 3:07 pm (PDT) . Posted by:

toptyp19

First, thanks Peter verrrry much! I've already subscribed to the K9YA Telegraph!

Now, for my short story:

I was in tears of laughter as I read of Garey's QSO struggles with his mother's electric skillet.

I would come home from high school and fire up my Eico 720 into my newly constructed

SB-220 amp and 20M groundplane with 11 wire radials strung randomly through the tree

limbs. I could input about 500W until the lights dimmed on key down (amp wired for 120V because the

AC circuit only good for 15A). Lots of DX on CW 'cuz the sunspot cycle was peaking.

I would be in the middle of an exchange with some rare DX station when my grandmother

would turn on the iron in the adjoining bedroom (she ran a dressmaking business out of

our house). Poof! would go the fuse (no circuit breakers yet!). I would let out a yelp and

so would she! Run down to the basement and switch out the fuse. Needless to say, the

ironing won out! Usually, I had to wait until much later in the evening to use the amp!

73, Joe-WA9LAE.

Reply to sender

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Reply via Web Post

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All Messages (9)

.

Top ^

3a

Re: Having Issues

Sun Apr 29, 2018 1:57 am (PDT) . Posted by:

"Barry" n4buq

My last one was delayed about 12 hours or more.

It's odd. Sometimes my posts come through almost immediately then another message the same day gets delayed. It's like I get one chance and then have to get in the back of a very long line...

Thanks,

Barry - N4BUQ

> I have tried to post to this group several times this week, my posts never

> show up and I'm constantly getting a message back from comcast that

> basically says that it has been trying to send for X number of hours.

>

> But I'm getting the posts you fellers are sending.

>

> anyone else having issues?

>

> Thanks

>

> Ronnie W5SUM

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Reply to group

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Reply via Web Post

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All Messages (9)

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Top ^

4a

T-4XC Low Power Out

Sun Apr 29, 2018 11:19 am (PDT) . Posted by:

k4gm2003

The output was very low.... I had about 35 watts max when I had been getting 120w out before. Replaced the 12BY7 driver tube and output went up to 75 watts. Upon key down the power hits 90-95 watts and then goes down to 70-75 watts. Tube voltages on pins 4-9 are very close to what is stated in the manual. Pin 3 should be zero but reads 12vdc. Pin 2 should be -2.8v but is only -1.1v . Pin 1 should be 0 but is at .7v. Resistance on pin 2 is infinity but manual says it should be 97K. I measured the resistance of CR19 in the V4 cathode circuit. Reverse is infinity but forward is very high: 206K. CR19 may well be the culprit. I am continuing to trouble shoot but would appreciate any comments especially regarding that high voltage on pin 3.

73, George K4GM

Reply to sender

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Reply to group

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Reply via Web Post

.

All Messages (3)

.

Top ^

4b

Re: T-4XC Low Power Out

Sun Apr 29, 2018 12:37 pm (PDT) . Posted by:

"Bob Loving" bob.loving@sbcglobal.net

George, I have a T-4XC that would operate for a short period of time and then the output power would go to zero. CR19 measured OK until it heated up. I was able to verify this with the TX unpowered by using the diode function of a DMM and a soldering iron to heat the diode. A 1N4003 diode was used for the repair.

73, Bob K9JUMaryville, TN

On Sunday, April 29, 2018 2:19 PM, "k4gm@k4gm.com [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

The output was very low.... I had about 35 watts max when I had been getting 120w out before. Replaced the 12BY7 driver tube and output went up to 75 watts. Upon key down the power hits 90-95 watts and then goes down to 70-75 watts. Tube voltages on pins 4-9 are very close to what is stated in the manual. Pin 3 should be zero but reads 12vdc. Pin 2 should be -2.8v but is only -1.1v . Pin 1 should be 0 but is at .7v. Resistance on pin 2 is infinity but manual says it should be 97K. I measured the resistance of CR19 in the V4 cathode circuit. Reverse is infinity but forward is very high: 206K. CR19 may well be the culprit. I am continuing to trouble shoot but would appreciate any comments especially regarding that high voltage on pin 3.

73, George K4GM

44405. Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-01 22:28:44 UTC
From: rhulett1@...
Topic: 44305 Message: 44405

Bernie,

I continue to fight the T-4X intermittent. Today it has stayed broken long enough to determine that it works normally with the Transceive switch in RCVR. But not in Separate or XMTR. Sorry for the previous statement otherwise. The big problem is sometimes it works correctly for hours.

73, Curt KB5JO

44406. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-01 22:53:38 UTC
From: Lee Bahr
Topic: 44305 Message: 44406

Curt,

Doesn't this show something is askew with the transmitter's PTO? When in receive position you are using the receiver PTO for the transmitter as well as for the receiver. Are you familiar with the Drake shaft grounding problem with early PTOs? The fix was a piece of flexible solder wick making better shaft grounding. Check the mechanical grounding of the transmitter's PTO tuning shaft. Contact cleaner would be good too.

Lee

w0vt, w5drc

On 5/1/2018 5:28 PM, rhulett1@... [DrakeRadio] wrote:
>
> Bernie,
>
> I continue to fight the T-4X intermittent. Today it has stayed broken
> long enough to determine that it works normally with the Transceive
> switch in RCVR. But not in Separate or XMTR. Sorry for the previous
> statement otherwise. The big problem is sometimes it works correctly
> for hours.
>
> 73, Curt KB5JO
>
>

44407. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-01 22:59:14 UTC
From: Lee Bahr
Topic: 44305 Message: 44407

Curt,

Here is a detailed article on fixing PTO ground problems.

http://www.wb4hfn.com/DRAKE/DrakeArticles/Drake_PTO_Grounding.html

Lee

w0vt, w5drc

On 5/1/2018 5:53 PM, Lee Bahr w5drc@... [DrakeRadio] wrote:
>
> Curt,
>
> Doesn't this show something is askew with the transmitter's PTO? When
> in receive position you are using the receiver PTO for the transmitter
> as well as for the receiver. Are you familiar with the Drake shaft
> grounding problem with early PTOs? The fix was a piece of flexible
> solder wick making better shaft grounding. Check the mechanical
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> would be good too.
>
> Lee
>
> w0vt, w5drc
>
>
> On 5/1/2018 5:28 PM, rhulett1@... [DrakeRadio] wrote:
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>> the previous statement otherwise. The big problem is sometimes it
>> works correctly for hours.
>>
>> 73, Curt KB5JO
>>
>
>

44408. [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-01 23:41:50 UTC
From: Lee Bahr
Topic: 44305 Message: 44408

Well if you put the thing in RECEIVE and bounce the transmitter around and if it then does not go bad, it has to be a PTO problem or a cable from the PTO to transmitter or around the PTO selection switch in the transmitter. I have even found a bad zener diode or diode in the PTO do weird things like work and then not work. (Seems like they would fire up sometimes and not other times.) One PTO had a bad oscillator transistor. I used a MPF-102 from Radio Shack and it then worked just fine. I would still check out the shaft grounding. The PTOs are easy to work on so have no fear.

Here is one lesson I learned the hard way! Don't power up the transmitter with no PTO wired in the transmitter! Drake tapped a high voltage point and then dropped that voltage down to a few volts to run the solid state PTO. When there is no PTO hooked up and you power up the transmitter there is no load from this high voltage tap and then there is no voltage drop through the dropping resistor. Then the small tantalum 35 volt capacitor on the output side of the dropping resistor goes POW!!!!!! Like a firecracker with flames shooting out the remaining two capacitor terminals until they too melt! I'll never do that again. It almost stopped my clock!

Lee, w0vt, w5drc

On 5/1/2018 6:06 PM, Curt wrote:
> Lee,
>
> Yes you are probably right. I am going to do some more testing before
> opening that can of worms. Yes, am aware of the grounding issue. I
> thought that was an accuracy issue. This problem is either works or
> doesnt, senstive to vibration. Jarring the radio will cause it ti
> work/not work
>
> 73. Curt, kb5jo
>
>
> Sent from my iPhone
>
> On May 1, 2018, at 5:53 PM, Lee Bahr <w5drc@...
> <mailto:w5drc@...>> wrote:
>
>> Curt,
>>
>> Doesn't this show something is askew with the transmitter's PTO?
>> When in receive position you are using the receiver PTO for the
>> transmitter as well as for the receiver. Are you familiar with the
>> Drake shaft grounding problem with early PTOs? The fix was a piece

>> of flexible solder wick making better shaft grounding. Check the
>> mechanical grounding of the transmitter's PTO tuning shaft. Contact
>> cleaner would be good too.
>>
>> Lee
>>
>> w0vt, w5drc
>>
>>
>> On 5/1/2018 5:28 PM, rhulett1@... [DrakeRadio] wrote:
>>>
>>> Bernie,
>>>
>>> I continue to fight the T-4X intermittent. Today it has stayed
>>> broken long enough to determine that it works normally with the
>>> Transceive switch in RCVR. But not in Separate or XMTR. Sorry for
>>> the previous statement otherwise. The big problem is sometimes it
>>> works correctly for hours.
>>>
>>> 73, Curt KB5JO
>>>
>>>
>>

44409. Fwd: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-02 00:25:10 UTC
From: Bernie Murphy
Topic: 44409 Message: 44409

Forgot to copy the thread.

Sent from my iPad

Begin forwarded message:

> From: Bernie Murphy <bernard.murphy@...>
> Date: May 1, 2018 at 8:16:00 PM EDT
> To: rhulett1@...
> Subject: Re: T-4X Output Intermittent Question
>
> The PTO in the T-4X May be failing.
>
> If you have a frequency counter, you can quickly verify that by measuring the frequency at the INJ plug on the back of the T-4X when you have the failure.
>
> I have the same issue with my T-4XC PTO and currently, I use the RX PTO for the TX. That PTO repair is next on my Radio project list. The zener in the PTO seems to be a common failure. The PTO is such a pain to remove ...
>
> Please let me know your results ...
>
> 73, Bernie
>
> Sent from my iPad
>
>> On May 1, 2018, at 6:28 PM, rhulett1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>> Bernie,
>>
>> I continue to fight the T-4X intermittent. Today it has stayed broken long enough to determine that it works normally with the Transceive switch in RCVR. But not in Separate or XMTR. Sorry for the previous statement otherwise. The big problem is sometimes it works correctly for hours.
>>
>> 73, Curt KB5JO

44410. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-02 10:43:10 UTC
From: Steve Wedge
Topic: 44305 Message: 44410

Hi, Curt,

Chances are that it’s NOT grounding of the fork. You’ve got either a component failure or bad solder joint.

Don’t discount the network on the small board under the PTO.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On May 1, 2018, at 18:59, Lee Bahr w5drc@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Curt,
>
> Here is a detailed article on fixing PTO ground problems.
>
> http://www.wb4hfn.com/DRAKE/DrakeArticles/Drake_PTO_Grounding.html
>
>
> Lee
>
> w0vt, w5drc
>
>> On 5/1/2018 5:53 PM, Lee Bahr w5drc@... [DrakeRadio] wrote:
>>
>> Curt,
>>
>> Doesn't this show something is askew with the transmitter's PTO? When in receive position you are using the receiver PTO for the transmitter as well as for the receiver. Are you familiar with the Drake shaft grounding problem with early PTOs? The fix was a piece of flexible solder wick making better shaft grounding. Check the mechanical grounding of the transmitter's PTO tuning shaft. Contact cleaner would be good too.
>>
>> Lee
>>
>> w0vt, w5drc
>>
>>> On 5/1/2018 5:28 PM, rhulett1@... [DrakeRadio] wrote:
>>>
>>> Bernie,
>>>
>>> I continue to fight the T-4X intermittent. Today it has stayed broken long enough to determine that it works normally with the Transceive switch in RCVR. But not in Separate or XMTR. Sorry for the previous statement otherwise. The big problem is sometimes it works

correctly for hours.
>>>
>>> 73, Curt KB5JO
>>>
>>
>
>

44411. Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-02 13:25:09 UTC
From: Bernie Murphy
Topic: 44305 Message: 44411

Also, you might want to swap out the pre-mixer tube with a known good tube.

Tube Mixers sometimes fail that way yet, they test just fine in a tube tester.

73, Bernie

Sent from my iPad

> On May 1, 2018, at 6:28 PM, rhulett1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Bernie,
>
> I continue to fight the T-4X intermittent. Today it has stayed broken long enough to determine that it works normally with the Transceive switch in RCVR. But not in Separate or XMTR. Sorry for the previous statement otherwise. The big problem is sometimes it works correctly for hours.
>
> 73, Curt KB5JO

44412. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-02 13:37:06 UTC
From: Curt Nixon
Topic: 44305 Message: 44412

Isn't the mixer also in use when in Rx Transceive?

Curt
KU8L

On 05/02/18 9:25 AM, Bernie Murphy bernard.murphy@...
[DrakeRadio] wrote:
>
> Also, you might want to swap out the pre-mixer tube with a known good
> tube.
>
> Tube Mixers sometimes fail that way yet, they test just fine in a tube
> tester.
>
> 73, Bernie
>
> Sent from my iPad
>
> > On May 1, 2018, at 6:28 PM, rhulett1@... [DrakeRadio]
> <DrakeRadio@yahoogroups.com> wrote:
> >
> > Bernie,
> >
> > I continue to fight the T-4X intermittent. Today it has stayed
> broken long enough to determine that it works normally with the
> Transceive switch in RCVR. But not in Separate or XMTR. Sorry for the
> previous statement otherwise. The big problem is sometimes it works
> correctly for hours.
> >
> > 73, Curt KB5JO
>
>

44413. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-02 14:55:08 UTC
From: rhulett1@...
Topic: 44305 Message: 44413

I hooked up the injection signal to my IC728. Hear the VFO in the receiver where it is supposed to be, and it changes smoothly with tuning. When in Separate (or XMTR) and transmitter making output hear it, hear it with no change when transmitter is not making output (just idle current) after jarring the transmitter. No change in volume at all. No change in frequency either. Changing band when it is "broken" makes no difference. Switching to Receiver VFO makes output. Switch back to XMTR, still broken. Jar it some more and it starts making output again.

So, I conclude the problem is not the PTO. Since using the receiver VFO eliminates the problem, and changing bands makes no difference that means the crystal oscillator isn't the problem either. The fact that the Receiver VFO works seems to me to mean the Premixer is ok also.

Not sure what is left. It has to be a connection between the Tx VFO and the Premixer that is intermittent in Separate or XMTR but not used when in the receive position.

Curt KB5JO

44414. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-02 16:33:47 UTC
From: rhulett1@...
Topic: 44305 Message: 44414

Found it! It is the crystal selector switch! I can make it "fail" by jiggling the switch. Crystal oscillator stops and starts and output starts and stops when jiggle the switch

73, Curt KB5JO

44415. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-02 16:41:37 UTC
From: Curt Nixon
Topic: 44305 Message: 44415

Cool! that damned thing has caused a lot of issues 0ver the years.
Never gets moved often enough to stay functional.

Curt

On 05/02/18 12:33 PM, rhulett1@... [DrakeRadio] wrote:
>
> Found it! It is the crystal selector switch! I can make it "fail" by
> jiggling the switch. Crystal oscillator stops and starts and output
> starts and stops when jiggle the switch
>
> 73, Curt KB5JO
>
>

44416. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-02 17:08:33 UTC
From: Bernie Murphy
Topic: 44305 Message: 44416

The INJ signal inside the TX comes from the Pre-mixer which mixes the HFO crystal with the PTO.

Direct input of the INJ signal on the TX (via RCVR function) means that the HFO and PTO in the T-4X are not used.

The mixer is indeed used with RX Transceive which mixes the carrier and the INJ signal coming from the RX via the back panel INJ plug.

73, Bernie

Sent from my iPad

> On May 2, 2018, at 9:37 AM, Curt Nixon <captcurt@...> wrote:
>
> Isn't the mixer also in use when in Rx Transceive?
>
> Curt
> KU8L
>
>> On 05/02/18 9:25 AM, Bernie Murphy bernard.murphy@... [DrakeRadio] wrote:
>> Also, you might want to swap out the pre-mixer tube with a known good tube.
>>
>> Tube Mixers sometimes fail that way yet, they test just fine in a tube tester.
>>
>> 73, Bernie
>>
>> Sent from my iPad
>>
>> > On May 1, 2018, at 6:28 PM, rhulett1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>> >
>> > Bernie,
>> >
>> > I continue to fight the T-4X intermittent. Today it has stayed broken long enough to determine that it works normally with the Transceive switch in RCVR. But not in Separate or XMTR. Sorry for the previous statement otherwise. The big problem is sometimes it works correctly for hours.
>> >
>> > 73, Curt KB5JO
>>
>>
>

44417. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-02 18:57:32 UTC
From: Joni Zornes
Topic: 44305 Message: 44417

My T-4X had the same problem. I eventually had to change out the wafer.

On Wed, May 2, 2018 at 12:08 PM, Bernie Murphy bernard.murphy@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> The INJ signal inside the TX comes from the Pre-mixer which mixes the HFO
> crystal with the PTO.
>
> Direct input of the INJ signal on the TX (via RCVR function) means that
> the HFO and PTO in the T-4X are not used.
>
> The mixer is indeed used with RX Transceive which mixes the carrier and
> the INJ signal coming from the RX via the back panel INJ plug.
>
> 73, Bernie
>
>
>
>
> Sent from my iPad
>
> On May 2, 2018, at 9:37 AM, Curt Nixon <captcurt@...> wrote:
>
> Isn't the mixer also in use when in Rx Transceive?
>
> Curt
> KU8L
>
> On 05/02/18 9:25 AM, Bernie Murphy bernard.murphy@... [DrakeRadio]
> wrote:
>
> ï¿½
>
> Also, you might want to swap out the pre-mixer tube with a known good tube.
>
> Tube Mixers sometimes fail that way yet, they test just fine in a tube
> tester.
>
> 73, Bernie
>
> Sent from my iPad
>
> > On May 1, 2018, at 6:28 PM, rhulett1@... [DrakeRadio]

> <DrakeRadio@yahoogroups.com> <DrakeRadio@yahoogroups.com> wrote:
> >
> > Bernie,
> >
> > I continue to fight the T-4X intermittent. Today it has stayed broken
> long enough to determine that it works normally with the Transceive switch
> in RCVR. But not in Separate or XMTR. Sorry for the previous statement
> otherwise. The big problem is sometimes it works correctly for hours.
> >
> > 73, Curt KB5JO
>
>
>
>

44418. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-02 19:15:44 UTC
From: Richard Knoppow
Topic: 44305 Message: 44418

Congratulations. It may be the long screws that hold the
switch together loosened with time.

On 5/2/2018 9:33 AM, rhulett1@... [DrakeRadio] wrote:
>
>
> Found it!? It is the crystal selector switch!? I can make it
> "fail" by jiggling the switch.? Crystal oscillator stops and
> starts and output starts and stops when jiggle the switch
>
> 73, Curt KB5JO
1oldlens1@...
WB6KBL

44419. Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-02 23:54:28 UTC
From: rhulett1@...
Topic: 44305 Message: 44419

I don't know where would get a wafer any better than mine. If cleaning it doesn't work why couldn't I just replace with a multcontact switch from Mouser?

Curt KB5JO

44420. Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-03 01:20:00 UTC
From: bernard.murphy@...
Topic: 44305 Message: 44420

Probably just one finger contact on the switch is the culprit? Your ohmmeter should be able find the bad contact.

You might be able fix the switch problem with deoxit and then “pinching” the bad contact just a tad with pliers.

There might be a T-4X carcass around that would have that switch ...

73, Bernie

44421. Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-03 20:48:33 UTC
From: rhulett1@...
Topic: 44305 Message: 44421

Well thankfully, DeOxit with a toothpick on the switch contacts seems to have cured the problem. The switch now stays "made" with no disruption of the oscillator signal. I guess the lesson learned is to move the switches from time to time.

73, Curt KB5JO

44422. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-03 20:59:52 UTC
From: K4GM George
Topic: 44305 Message: 44422

Garey always said one must "exercise" the switches on a regular basis
for good health!

73, George K4GM

FISTS #10323
SKCC #7241S

On 5/3/2018 4:48 PM, rhulett1@... [DrakeRadio] wrote:
>
> Well thankfully, DeOxit with a toothpick on the switch contacts seems
> to have cured the problem. The switch now stays "made" with no
> disruption of the oscillator signal. I guess the lesson learned is to
> move the switches from time to time.
>
> 73, Curt KB5JO
>
>

44423. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-03 21:13:34 UTC
From: Jim Pruitt
Topic: 44305 Message: 44423

Exercising the switch is not always the answer. I have an R4B that I use quite a bit. When I switch bands I have to exercise the switch quite a bit back and forth between bands and jiggle it on the band where I am using it...until I find the sweet spot where contact is good. It gets exercised multiple times per day but the routine is the same every time I change bands.

Thank you.

Jim Pruitt
WA7DUY

On 5/3/2018 1:48 PM, rhulett1@... [DrakeRadio] wrote:
>
> Well thankfully, DeOxit with a toothpick on the switch contacts seems
> to have cured the problem. The switch now stays "made" with no
> disruption of the oscillator signal. I guess the lesson learned is to
> move the switches from time to time.
>
> 73, Curt KB5JO
>
>

44424. Re: [DrakeRadio] Re: T-4X Output Intermittent Question

Yahoo group: DrakeRadio (2018)
Date: 2018-05-03 22:04:16 UTC
From: Steve Wedge
Topic: 44305 Message: 44424

“Self-cleaning” switch contacts sometimes need help. I worked in a cal lab years ago with a guy who worked for Tektronix. He would always exercise all the switches during initial checkout of equipment. For pots, he’d use dental floss wrapped around them to move them a lot (think the uncal red knobs on the VOLTS/DIV knobs). This would resolve any noise problems about 99% of the time.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On May 3, 2018, at 16:48, rhulett1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Well thankfully, DeOxit with a toothpick on the switch contacts seems to have cured the problem. The switch now stays "made" with no disruption of the oscillator signal. I guess the lesson learned is to move the switches from time to time.
>
> 73, Curt KB5JO
>
>

44425. R4 performance on AM

Yahoo group: DrakeRadio (2018)
Date: 2018-05-04 00:04:32 UTC
From: bsa0791@...
Topic: 44425 Message: 44425

How is the AM performance on the R4 compared to the competition of it's time?

Thanks kb4mng.

44426. R4C AGC board

Yahoo group: DrakeRadio (2018)
Date: 2018-05-04 09:04:19 UTC
From: Brian Tibbert
Topic: 44426 Message: 44426

Hi,
Does anyone in the group have an AGC board for an R4C (early model, 6HS6 mixers) that they would be willing to sell me, and post to England, please.
I am renovating one, which was dead when obtained, and , having replaced several resistors and the carrier oscillator transmitter, got it working, but the AGC does not appear to be working correctly, and the S meter reads very low, even on the calibrate signal.
I can pay by PayPal, or any other preferred method.
Many thanks. Brian, G3RKZ.

Get Outlook for iOS<https://aka.ms/o0ukef>

44427. R-4C Parts

Yahoo group: DrakeRadio (2018)
Date: 2018-05-04 13:24:09 UTC
From: AL
Topic: 44427 Message: 44427

Hi, de Al, n7ioh in Payson, Arizona, USA. I don't have the part you need, BUT K9DTC Dan JUST posted on eHam.net that he is parting out a R-4C. See link below.

https://www.eham.net/classifieds/detail/542982

Just in case you are not a member of eHam.net, here is his email address, k9dtc@...

Al, n7ioh

44428. Re: [DrakeRadio] R4C AGC board

Yahoo group: DrakeRadio (2018)
Date: 2018-05-04 20:09:35 UTC
From: Kc9cdt@...
Topic: 44426 Message: 44428

What is the P/N?

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: Brian Tibbert brian.tibbert1942@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Fri, May 4, 2018 8:40 am
Subject: [DrakeRadio] R4C AGC board

Hi,
Does anyone in the group have an AGC board for an R4C (early model, 6HS6 mixers) that they would be willing to sell me, and post to England, please.
I am renovating one, which was dead when obtained, and , having replaced several resistors and the carrier oscillator transmitter, got it working, but the AGC does not appear to be working correctly, and the S meter reads very low, even on the calibrate signal.
I can pay by PayPal, or any other preferred method.
Many thanks. Brian, G3RKZ.

Get Outlook for iOS

44429. T4XC PA tank capacitors

Yahoo group: DrakeRadio (2018)
Date: 2018-05-04 23:44:04 UTC
From: lonelyone_64109@...
Topic: 44429 Message: 44429

I have had a rigs that had no output on 40m. That turned out to be intermittent injection and RF tuning trimmer caps. While loading the PA I've noticed that the load control "jumps" at a certain point. The plate currents goes up to over 350 mA at that point. I shut off the rig, disconnected the AC4 supply, and opened the PA. I can hear the load capacitor plates scraping and can see a spot where 3 plates are touching (using a magnifier). The scraping occurs at the 10 o'clock position. I also noticed the plate tuning capacitor has a gap between the section closest to the front panel and section to the rear of the rig, like it's missing 2-3 plates. I don't recall ever seeing a plate tuning cap missing plates.

My bigger question is the load capacitor scraping. Any way to straighten it or just replace it? And if it should be replaced go ahead and replace the plate tuning capacitor too?

WB0CJB

44430. Re: [DrakeRadio] T4XC PA tank capacitors

Yahoo group: DrakeRadio (2018)
Date: 2018-05-05 01:30:28 UTC
From: MadScientist1948
Topic: 44429 Message: 44430

It is common for load capacitors to be missing plates. The reason is that most radio manufacturers used AM radio tuning caps, which had separate sections for the local oscillator and the mixer/converter.

Straightening is pretty easy since the RF voltage present here is quite low. Just bend them carefully with your fingernails so you don’t scratch the plates.

Gary

> On May 4, 2018, at 6:44 PM, lonelyone_64109@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> I have had a rigs that had no output on 40m. That turned out to be intermittent injection and RF tuning trimmer caps. While loading the PA I've noticed that the load control "jumps" at a certain point. The plate currents goes up to over 350 mA at that point. I shut off the rig, disconnected the AC4 supply, and opened the PA. I can hear the load capacitor plates scraping and can see a spot where 3 plates are touching (using a magnifier). The scraping occurs at the 10 o'clock position. I also noticed the plate tuning capacitor has a gap between the section closest to the front panel and section to the rear of the rig, like it's missing 2-3 plates. I don't recall ever seeing a plate tuning cap missing plates.
>
>
>
> My bigger question is the load capacitor scraping. Any way to straighten it or just replace it? And if it should be replaced go ahead and replace the plate tuning capacitor too?
>
>
>
> WB0CJB
>
>
>

44431. Re: [DrakeRadio] T4XC PA tank capacitors

Yahoo group: DrakeRadio (2018)
Date: 2018-05-05 01:36:51 UTC
From: Steve Wedge
Topic: 44429 Message: 44431

You can straighten them but it takes patience.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On May 4, 2018, at 19:44, lonelyone_64109@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I have had a rigs that had no output on 40m. That turned out to be intermittent injection and RF tuning trimmer caps. While loading the PA I've noticed that the load control "jumps" at a certain point. The plate currents goes up to over 350 mA at that point. I shut off the rig, disconnected the AC4 supply, and opened the PA. I can hear the load capacitor plates scraping and can see a spot where 3 plates are touching (using a magnifier). The scraping occurs at the 10 o'clock position. I also noticed the plate tuning capacitor has a gap between the section closest to the front panel and section to the rear of the rig, like it's missing 2-3 plates. I don't recall ever seeing a plate tuning cap missing plates.
>
>
>
> My bigger question is the load capacitor scraping. Any way to straighten it or just replace it? And if it should be replaced go ahead and replace the plate tuning capacitor too?
>
>
>
> WB0CJB
>
>

44432. TR-7 Calibrator

Yahoo group: DrakeRadio (2018)
Date: 2018-05-05 05:06:46 UTC
From: KL7AM
Topic: 44432 Message: 44432

Where is the 25 KHZ calibrator signal generated in the TR-7?

Thanks!

Kl7AM

44433. Re: [DrakeRadio] TR-7 Calibrator

Yahoo group: DrakeRadio (2018)
Date: 2018-05-05 06:20:09 UTC
From: KL7AM
Topic: 44432 Message: 44433

I found it

From: "DrakeRadio" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio" <DrakeRadio@yahoogroups.com>
Sent: Friday, May 4, 2018 9:06:46 PM
Subject: [DrakeRadio] TR-7 Calibrator

Where is the 25 KHZ calibrator signal generated in the TR-7?

Thanks!

Kl7AM

44434. WTB TR7A Manual

Yahoo group: DrakeRadio (2018)
Date: 2018-05-05 14:56:26 UTC
From: KL7AM
Topic: 44434 Message: 44434

I don't need a TR7 Manual (I have an extra I will trade or sell if I find the "A" manual).

Thanks!

Marty
KL7AM

44435. FS - T-4XB Front Panel

Yahoo group: DrakeRadio (2018)
Date: 2018-05-05 18:36:24 UTC
From: Steve Wedge
Topic: 44435 Message: 44435

Whilst cleaning out my attic, I came upon a T-4XB front panel that came off a parts unit. Cosmetically, it's in very good shape - EXCEPT - that there's a hole that was drilled for some cockamamie mod that the original owner did to the set (which, in effect, rendered it a parts rig). The hole was drilled where the mic socket used to be in the T-4X (the B-Line chassis still has a hole in that location, where the mic used to be).

The rest of the silkscreening looks great - no scratches. It also has the holder for the neon bulb AND the Lexan bit that lights up.

$20 shipped in the USA. I'll send to DX but we will have to find out the shipping costs. I'm trying to get $15, more or less, for it.

73,

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

44436. WTB metering resistors plus question about L4-B bias settings.

Yahoo group: DrakeRadio (2018)
Date: 2018-05-06 19:28:24 UTC
From: CEMILTON@...
Topic: 44436 Message: 44436

GA to the group.

Looking for four (4) 5.0 meg, 1-watt, 1% resistors. Used in the L4-B. (R-6, R-7, R-9 and R-10 on the schematic)

I'm wanting to drop the resting plate current in the L4-B to 120-130ma and cut down on the extra heat generated by the 3-500's. I'm thinking of using a string (number of diodes to be determined) of 5408's. Installed between the junction of C-40/R-8 and the N/O contact on Relay RY-1. Anyone have comments about such a mod.

I've only recently acquired the L4-B and I'm still learning it. Nice amp.

73
Chuck
W4MIL

44437. Re: [DrakeRadio] WTB metering resistors plus question about L4-B bias settings.

Yahoo group: DrakeRadio (2018)
Date: 2018-05-06 20:14:36 UTC
From: Richard Knoppow
Topic: 44436 Message: 44437

I am not sure what exactly you want to do. If I read this
correctly you want to reduce the plate current of the tubes when
they are keyed and are not getting drive. Please understand the
"resting" current is due to the grid bias being correct for the
operating point as a linear amplifier. If you change this current
you will move the operating point to another point on the tube
curve. The bias is set for minimum distortion so when its changed
the distortion will go up.
The tubes in the L4B operate in Class AB1, that is the amp
works for more than half of the drive waveform but the entire
wave form (would be Class-A) and does not draw grid current. The
class of operation is established by the grid bias and the plate
load resistance. Biasing for less resting current is moving the
operating point toward Class AB2 which changes the conditions for
the driver stage and the optimum plate load. The tubes will run
cooler when no signal is being amplified but, essentially, you
are redesigning the amplifier.

On 5/6/2018 12:28 PM, CEMILTON@... [DrakeRadio] wrote:
>
>
> GA to the group.
> Looking for four (4)? 5.0 meg, 1-watt, 1% resistors.? Used in the
> L4-B.? (R-6, R-7, R-9 and R-10 on the schematic)
> I'm wanting to drop the resting plate current?in the L4-B to
> 120-130ma and cut down on the extra heat generated by the
> 3-500's.? I'm thinking of using a string (number of diodes to
> be?determined) of 5408's.? Installed between the junction
> of?C-40/R-8 and the N/O contact on Relay RY-1.? Anyone have
> comments about such a mod.
> I've only recently acquired the L4-B and I'm still learning it.
> Nice amp.
> 73
> Chuck
> W4MIL
>
>
1oldlens1@...
WB6KBL

44438. Re: [DrakeRadio] WTB metering resistors plus question about L4-B bias settings.

Yahoo group: DrakeRadio (2018)
Date: 2018-05-06 20:45:43 UTC
From: CEMILTON@...
Topic: 44436 Message: 44438

GA Richard and the group,

I do realize that changing the bias would, at some point, change the Class of Service. I don't know exactly where that point might be but the key-down, no-drive resting current is currently at 320mils which produces (as you might expect) excess heating. The amp was designed when EIMAC and AMPREX was making the tubes and I know the tubes are operating as designed. But replacement tubes may or may not be as robust as the ones from back in the day. And I'm in the market for two new tubes. I don't necessarily trust most recent manufactured tubes such as the 3-500's (and others).

I did see a board designed to implement soft key, soft start and bias mod sold by Harbach. I don't have plans to install that particular board as I already have step-start and I don't need soft-key. But I did note they also included a bias mod. Just how and where it was tested and implemented I don't know. I'd be interested in any comments about this particular board and its operation.

So some modifications to the bias settings might be just enough to reduce the plate load enough to reduce the excess heating and still not change the class of service. I believe some experimentation is due.

I do appreciate your comments and thanks for coming back on this issue. You make a valid point about class of service changes.

73
Chuck
W4MIL

チャーリー ミルトン

-----Original Message-----
From: Richard Knoppow <1oldlens1@...>
To: DrakeRadio <DrakeRadio@yahoogroups.com>; CEMILTON <CEMILTON@...>
Sent: Sun, May 6, 2018 4:14 pm
Subject: Re: [DrakeRadio] WTB metering resistors plus question about L4-B bias settings.

I am not sure what exactly you want to do. If I read this
correctly you want to reduce the plate current of the tubes when
they are keyed and are not getting drive. Please understand the
"resting" current is due to the grid bias being correct for the
operating point as a linear amplifier. If you change this current
you will move the operating point to another point on the tube
curve. The bias is set for minimum distortion so when its changed
the distortion will go up.
The tubes in the L4B operate in Class AB1, that is the amp
works for more than half of the drive waveform but the entire

wave form (would be Class-A) and does not draw grid current. The class of operation is established by the grid bias and the plate load resistance. Biasing for less resting current is moving the operating point toward Class AB2 which changes the conditions for the driver stage and the optimum plate load. The tubes will run cooler when no signal is being amplified but, essentially, you are redesigning the amplifier.

On 5/6/2018 12:28 PM, CEMILTON@... [DrakeRadio] wrote:
>
>
> GA to the group.
> Looking for four (4) 5.0 meg, 1-watt, 1% resistors. Used in the
> L4-B. (R-6, R-7, R-9 and R-10 on the schematic)
> I'm wanting to drop the resting plate current in the L4-B to
> 120-130ma and cut down on the extra heat generated by the
> 3-500's. I'm thinking of using a string (number of diodes to
> be determined) of 5408's. Installed between the junction
> of C-40/R-8 and the N/O contact on Relay RY-1. Anyone have
> comments about such a mod.
> I've only recently acquired the L4-B and I'm still learning it.
> Nice amp.
> 73
> Chuck
> W4MIL
>
>
1oldlens1@...
WB6KBL

44439. Re: [DrakeRadio] WTB metering resistors plus question about L4-B bias settings.

Yahoo group: DrakeRadio (2018)
Date: 2018-05-06 22:31:10 UTC
From: Paul Kraemer
Topic: 44436 Message: 44439

Chuck
I am Paul K0UYA the designer and manufacturer of the board you refer to on Harbach
The board includes a series string of 1N5408 diodes to provide up to 5v bias for the 3-500Z tubes. About 3v will bring the SSB resting current down to about 120 to 150ma and greatly reduces heat produced by the tubes without affecting the class of operation.
This is no different than all the other manufacturers of 3-500Z amplifiers did or were doing. Initially they used a power zener for this but the zeners were expensive compared to a string of forward conducting diodes which produce the same result.
The modification installed also removes the +120v ALC bias voltage from the ct of the filament transformer which in itself was a BAD idea if no other reason it exceeds the voltage rating of the filament bypass capacitors. I use a 100K 5w resistor in the circuit to provide cutoff bias, just like the handbooks recommend.
For further details please download the documentation for the ES4L4B on Harbach website. A complete schematic included.
Possibly you will see something on Jeff’s website you need while you are in his store.
Paul K0UYA

From: mailto:DrakeRadio@yahoogroups.com
Sent: Sunday, May 06, 2018 2:28 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] WTB metering resistors plus question about L4-B bias settings.

GA to the group.

Looking for four (4) 5.0 meg, 1-watt, 1% resistors. Used in the L4-B. (R-6, R-7, R-9 and R-10 on the schematic)

I'm wanting to drop the resting plate current in the L4-B to 120-130ma and cut down on the extra heat generated by the 3-500's. I'm thinking of using a string (number of diodes to be determined) of 5408's. Installed between the junction of C-40/R-8 and the N/O contact on Relay RY-1. Anyone have comments about such a mod.

I've only recently acquired the L4-B and I'm still learning it. Nice amp.

73
Chuck
W4MIL

44440. Re: [DrakeRadio] WTB metering resistors plus question about L4-B bias settings.

Yahoo group: DrakeRadio (2018)
Date: 2018-05-06 23:54:58 UTC
From: Jim Shorney
Topic: 44436 Message: 44440

On Sun, 6 May 2018 17:31:10 -0500, 'Paul Kraemer' elespe@... [DrakeRadio] wrote:

>The modification installed also removes the +120v ALC bias voltage from the ct of the filament transformer which in itself was a BAD idea

So how do you provide ALC? Eliminating ALC totally is also a BAD idea. There are very good technical reasons for using it.

73

-Jim
NU0C

--
The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris, "The Doctor's Wife"

44441. Re: [DrakeRadio] WTB metering resistors plus question about L4-B bias settings.

Yahoo group: DrakeRadio (2018)
Date: 2018-05-07 00:44:43 UTC
From: Paul Kraemer
Topic: 44436 Message: 44441

I did NOT say remove the ALC
I said remove the +120v used for ALC from cathode circuit where it was also used as the cut off bias
Paul K0UYA

-----Original Message-----
From: 'Jim Shorney' jshorney@... [DrakeRadio]
Sent: Sunday, May 06, 2018 6:54 PM
To: DrakeRadio@yahoogroups.com
Subject: Re: [DrakeRadio] WTB metering resistors plus question about L4-B bias settings.

On Sun, 6 May 2018 17:31:10 -0500, 'Paul Kraemer' elespe@... [DrakeRadio]
wrote:

>The modification installed also removes the +120v ALC bias voltage from the >ct of the filament transformer which in itself was a BAD idea

So how do you provide ALC? Eliminating ALC totally is also a BAD idea. There are very good technical reasons for using it.

73

-Jim
NU0C

--
The universe we're in will reach absolute zero in three hours. Safe is relative. - Idris, "The Doctor's Wife"

Posted by: "Jim Shorney" <jshorney@...>

Yahoo Groups Links

44442. Re: [DrakeRadio] WTB metering resistors plus question about L4-B bias settings.

Yahoo group: DrakeRadio (2018)
Date: 2018-05-07 01:21:30 UTC
From: Jim Shorney
Topic: 44436 Message: 44442

OK, thank you for the clarification. I see way too many hams dismiss ALC as an unneeded annoyance.

73

-Jim
NU0C

On Sun, 6 May 2018 19:44:43 -0500, 'Paul Kraemer' elespe@... [DrakeRadio] wrote:

>I did NOT say remove the ALC
>I said remove the +120v used for ALC from cathode circuit where it was also
>used as the cut off bias
>Paul K0UYA
>
>-----Original Message-----
>From: 'Jim Shorney' jshorney@... [DrakeRadio]
>Sent: Sunday, May 06, 2018 6:54 PM
>To: DrakeRadio@yahoogroups.com
>Subject: Re: [DrakeRadio] WTB metering resistors plus question about L4-B
>bias settings.
>
>On Sun, 6 May 2018 17:31:10 -0500, 'Paul Kraemer' elespe@...
>[DrakeRadio]
>wrote:
>
>>The modification installed also removes the +120v ALC bias voltage from the
>>ct of the filament transformer which in itself was a BAD idea
>
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>are very good technical reasons for using it.
>
>73
>
>-Jim
>NU0C
>
>
>
>

--

"Life is too short for QRP" - ETO Alpha

"DeciBels were invented to give QRPers a false sense of smugness" - NU0C
"QRO is a public service" - NU0C

44443. Re: [DrakeRadio] WTB metering resistors plus question about L4-B bias settings.

Yahoo group: DrakeRadio (2018)
Date: 2018-05-07 01:29:54 UTC
From: Kc9cdt@...
Topic: 44436 Message: 44443

Hey guys...I missed the post that detailed the MOD...you are talking about...for the L-4B. Can you please resend it to me...
73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

-----Original Message-----
From: 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Sun, May 6, 2018 9:21 pm
Subject: Re: [DrakeRadio] WTB metering resistors plus question about L4-B bias settings.

OK, thank you for the clarification. I see way too many hams dismiss ALC as an unneeded annoyance.

73

-Jim
NU0C

On Sun, 6 May 2018 19:44:43 -0500, 'Paul Kraemer' elespe@... [DrakeRadio] wrote:

>I did NOT say remove the ALC
>I said remove the +120v used for ALC from cathode circuit where it was also
>used as the cut off bias
>Paul K0UYA
>
>-----Original Message-----
>From: 'Jim Shorney' jshorney@inebraska.com [DrakeRadio]
>Sent: Sunday, May 06, 2018 6:54 PM
>To: DrakeRadio@yahoogroups.com
>Subject: Re: [DrakeRadio] WTB metering resistors plus question about L4-B
>bias settings.
>
>On Sun, 6 May 2018 17:31:10 -0500, 'Paul Kraemer' elespe@...
>[DrakeRadio]
>wrote:
>
>>The modification installed also removes the +120v ALC bias voltage from the
>>ct of the filament transformer which in itself was a BAD idea

>
>So how do you provide ALC? Eliminating ALC totally is also a BAD idea. There
>are very good technical reasons for using it.
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>
>

--

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"QRO is a public service" - NU0C

44444. Drake Parts for sale updated list

Yahoo group: DrakeRadio (2018)
Date: 2018-05-07 16:44:09 UTC
From: Kc9cdt@...
Topic: 44444 Message: 44444

Drake Parts for Sale, KC9CDT Lee Simmonds

All parts do not include shipping as I will combine shipping based on what you select:
Offer for all parts considered.....

AA) C-line main tuning knob..NEW...$25
BB) Qty 3 1ST IF crystal filter.....8KC, 5645 kc freq, $18 each...all 3 for $45
CC) TR7 main tuning knob (missing shiny metal fron insert, Avail on e-bay)....$20
DD) Qty 3 C-line Metal main tuning knob SKIRTS ONLY......$8 Each

5) Red metal pointer for preselector position...$10.

6B) QTY 4...BLUE filter for VFO area with white backing piece NEW $10 each
6C) Drake 2C dial cord...$5.
7) Knob for L-4B WITH white line NOS.....$10.
8) Knob for L-4B No white line NOS....$10
13) New Plate meter for TR-4 etc....P/N 358-0160....$30
15) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
16) New Plate meter for T-4XC (others too?) P/N 358-0120....$30
17) New transformer P/N 369-0170, not sure if its audio out or what.....$20.
22) 1 3-500Z metal plate cap NOS P/N 467-1026....$10
57) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30 These are NOS, not used
64) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
65) 1 Preselector knob NOS for 4 line P/N 345-0050.....$10
67) 25 Set Screw standard BAR knobs NOS or excellent cond.....$4 EACH
68) 1 NEW T-4XC PC board complete...P/N 210-3225.....$10
69) 1 NEW T-4XC PC board complete...P/N 210-3195.....$10
70) 1 NEW T-4XC PC board complete...P/N 210-3220.....$10
72) 2 Crystal boards NOS 1 is 4 position, 1 is 5 position....$2
77) 1 New Jersey Semiconductor 2N2430....NOS...$2
78) 3 New Jersey Semiconductor 2N2926....NOS...$6
79) 2 New Jersey Semiconductor 2N3638....NOS...$4
80) 1 Band Switch SET marked 366-0800-B, C, D, E, F All 5 as a set....Not sure its B or C line RX or TX.....$30
These are NOS, not used

Let me know the number (s) of what you want or make offer on everything left.

73,
Lee

Lee Simmonds
Summit DCS

260-403-6936 Cell

44445. DrakeRadio on Groups.io

Yahoo group: DrakeRadio (2018)
Date: 2018-05-08 18:38:37 UTC
From: Jim Pruitt
Topic: 44445 Message: 44445

Some time back Joe sent out a message announcing that there was a DrakeRadio group on groups.io. That was after I had sent Joe an invitation to join the group and explained that the groups.io group was merely a place holder for this group if it should decide to move to groups.io. Joe did not join the group but one other person managed to join before I realized that groups.io sets defaults to auto join. That has been fixed. Joe also announced that the DrakeRadio yahoo group would not be moving.

Again, the group was created as a place holder for this group when or if it is moved. Until then it will be an inactive group. I am not approving any membership requests for that group. I saw DrakeList made into an abandoned relic when one influential member left that group because he was having computer problems. I will not fragment the groups. Drake gear has a dedicated following and I will not divide them. A one stop shop is what I like.

I had hoped that Joe would join that groups.io group and would be made owner/moderator and could move the yahoo group at his leisure if he chose to do so. The option would be there. It was not a suggestion that it be moved but merely an option if yahoogroups continued its downward spiral...or did a geocites and vanished.

Please do not apply to join the groups.io group as the request will not be acted on. I hope that you understand.

Thank you.

Jim Pruitt
WA7DUY

44446. Squealing in TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 00:34:00 UTC
From: kc8ups@...
Topic: 44446 Message: 44446

My TR-4 has a high pitched squeal, it squeals in CW and SSB mode, it squeals in tune or rcv mode. The squeal in constant.
Could this mean the oscillator is being over driven?
Any help would or advice would be greatly appreciated.

Thanks in advance,
Scott, kc8ups

44447. Re: [DrakeRadio] Squealing in TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 00:59:34 UTC
From: Bob Loving
Topic: 44446 Message: 44447

Scott, as the late, great Garey, K4OAH would put it, "exercise the screws." Many ground returns are through the screws that mount the tube sockets and vertical PC boards. I'd do it to those in the vicinity of the audio output tube.
GL ES 73,Bob K9JUMaryville, TN

On Tuesday, May 8, 2018 8:36 PM, "kc8ups@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

My TR-4 has a high pitched squeal, it squeals in CW and SSB mode, it squeals in tune or rcv mode. The squeal in constant.Could this mean the oscillator is being over driven?Any help would or advice would be greatly appreciated.
Thanks in advance,Scott, kc8ups

44448. re: [DrakeRadio] Squealing in TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 01:01:01 UTC
From: Douglas Glenn
Topic: 44446 Message: 44448

Scott,

Does the squeal come from the loudspeaker or from a mechanical vibration in the chassis? Is it affected by the RECEIVER GAIN control?

Doug - K3ZMG

From: "kc8ups@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Tuesday, May 08, 2018 7:36 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Squealing in TR-4

My TR-4 has a high pitched squeal, it squeals in CW and SSB mode, it squeals in tune or rcv mode. The squeal in constant.

Could this mean the oscillator is being over driven?

Any help would or advice would be greatly appreciated.

Thanks in advance,

Scott, kc8ups

44449. Re: [DrakeRadio] Squealing in TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 01:18:24 UTC
From: scott schoech
Topic: 44446 Message: 44449

Doug, Thanks for the quick reply. The noise is constant, even when adjusting the RCVR gain control. I've even tried rotating the VOX control thinking it might be that, and the relays seem to be working and not loose.The tubes were checked and that is why I was thinking it may be over driven. I know I'm over looking something, just not sure what to look for.
Scott-KC8UPSViva Christos Rey

On Tuesday, May 8, 2018 9:01 PM, "'Douglas Glenn' dglenn@... [DrakeRadio]" <DrakeRadio@...m> wrote:

  Scott, Does the squeal come from the loudspeaker or from a mechanical vibration in the chassis? Is it affected by the RECEIVER GAIN control? Doug - K3ZMG From: "kc8ups@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Tuesday, May 08, 2018 7:36 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Squealing in TR-4 My TR-4 has a high pitched squeal, it squeals in CW and SSB mode, it squeals in tune or rcv mode. The squeal in constant.Could this mean the oscillator is being over driven?Any help would or advice would be greatly appreciated. Thanks in advance,Scott, kc8ups

44450. RE: [DrakeRadio] Squealing in TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 01:50:16 UTC
From: rick gouge
Topic: 44446 Message: 44450
Attachments: 3 described; binary payloads are missing from this source WARC

put it on a dummy load and see if you still have the noise. if it still there I would check the power supply for caps gone bad or it is around your 100 mhz crystal…

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: May-08-18 6:18 PM
To: DrakeRadio@yahoogroups.com; dglenn@...
Subject: Re: [DrakeRadio] Squealing in TR-4

Doug,

Thanks for the quick reply.

The noise is constant, even when adjusting the RCVR gain control. I've even tried rotating the VOX control thinking it might be that, and the relays seem to be working and not loose.

The tubes were checked and that is why I was thinking it may be over driven.

I know I'm over looking something, just not sure what to look for.

Scott-KC8UPS

Viva Christos Rey

On Tuesday, May 8, 2018 9:01 PM, "'Douglas Glenn' dglenn@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

Scott,

Does the squeal come from the loudspeaker or from a mechanical vibration in the chassis? Is it affected by the RECEIVER GAIN control?

Doug - K3ZMG

_____

From: "kc8ups@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Tuesday, May 08, 2018 7:36 PM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Squealing in TR-4

My TR-4 has a high pitched squeal, it squeals in CW and SSB mode, it squeals in tune or rcv mode. The squeal in constant.

Could this mean the oscillator is being over driven?

Any help would or advice would be greatly appreciated.

Thanks in advance,

Scott, kc8ups

44451. Re: [DrakeRadio] Squealing in TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 02:33:11 UTC
From: MadScientist1948
Topic: 44446 Message: 44451

OK, the tone remains when you operate the RCVR gain control. Does changing the volume control (AF gain) change the tone?

Is the tone higher in pitch than the CW sidetone?

Gary

W0DVN

> On May 8, 2018, at 7:34 PM, kc8ups@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> My TR-4 has a high pitched squeal, it squeals in CW and SSB mode, it squeals in tune or rcv mode. The squeal in constant.
>
> Could this mean the oscillator is being over driven?
>
> Any help would or advice would be greatly appreciated.
>
>
>
> Thanks in advance,
>
> Scott, kc8ups
>
>
>

44452. Re: [DrakeRadio] Squealing in TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 02:46:30 UTC
From: Richard Knoppow
Topic: 44446 Message: 44452

I had a problem something like this some time ago. I wound up
putting a shield on V2. try it with some aluminum foil to see if
it makes any difference. Make sure the foil is grounded to the
chassis. This is not a very satisfactory solution but it seemed
to work and may provide a clue to something better.

On 5/8/2018 5:34 PM, kc8ups@... [DrakeRadio] wrote:
>
>
> My TR-4 has a high pitched squeal, it squeals in CW and SSB mode,
> it squeals in tune or rcv mode. The squeal in constant.
>
> Could this mean the oscillator is being over driven?
>
> Any help would or advice would be greatly appreciated.
>
>
> ?Thanks in advance,
>
> Scott,? kc8ups

>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44453. Re: [DrakeRadio] Squealing in TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 12:59:04 UTC
From: Steve Wedge
Topic: 44446 Message: 44453

Is it a true squeal or does it sound like the calibrator is always on?

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On May 8, 2018, at 20:34, kc8ups@sbcglobal.net [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> My TR-4 has a high pitched squeal, it squeals in CW and SSB mode, it squeals in tune or rcv mode. The squeal in constant.
>
> Could this mean the oscillator is being over driven?
>
> Any help would or advice would be greatly appreciated.
>
>
>
> Thanks in advance,
>
> Scott, kc8ups
>
>

44454. Re: [DrakeRadio] Squealing in TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 13:01:10 UTC
From: Steve Wedge
Topic: 44446 Message: 44454

It could also be a component failure in the audio chain. Also, Check to make sure the correct tube is in the audio amp.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On May 8, 2018, at 20:59, Bob Loving bob.loving@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Scott, as the late, great Garey, K4OAH would put it, "exercise the screws." Many ground returns are through the screws that mount the tube sockets and vertical PC boards. I'd do it to those in the vicinity of the audio output tube.
>
> GL ES 73,
> Bob K9JU
> Maryville, TN
>
>
>
> On Tuesday, May 8, 2018 8:36 PM, "kc8ups@sbcglobal.net [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:
>
>
>
>
> My TR-4 has a high pitched squeal, it squeals in CW and SSB mode, it squeals in tune or rcv mode. The squeal in constant.
> Could this mean the oscillator is being over driven?
> Any help would or advice would be greatly appreciated.
>
> Thanks in advance,
> Scott, kc8ups
>
>
>

44455. Re: [DrakeRadio] Squealing in TR-4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 13:05:25 UTC
From: Steve Wedge
Topic: 44446 Message: 44455

Having read through all the messages (this phone isn't too good at keeping threads sorted) try removing the calibrator xtal. If it goes away then the calibrator is on all the time and the signal is getting into the signal path. Capacitors are suspect.

Steve Wedge, W1ES/4

Sent from my iPhone - the typos have been generated by highly sophisticated software.

> On May 8, 2018, at 22:46, Richard Knoppow 1oldlens1@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I had a problem something like this some time ago. I wound up
> putting a shield on V2. try it with some aluminum foil to see if
> it makes any difference. Make sure the foil is grounded to the
> chassis. This is not a very satisfactory solution but it seemed
> to work and may provide a clue to something better.
>
>> On 5/8/2018 5:34 PM, kc8ups@... [DrakeRadio] wrote:
>>
>>
>> My TR-4 has a high pitched squeal, it squeals in CW and SSB mode,
>> it squeals in tune or rcv mode. The squeal in constant.
>>
>> Could this mean the oscillator is being over driven?
>>
>> Any help would or advice would be greatly appreciated.
>>
>>
>> Thanks in advance,
>>
>> Scott, kc8ups
>
>>
>>
>
> --
> Richard Knoppow
> 1oldlens1@...
> WB6KBL
>
>
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>
> Yahoo Groups Links
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>
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44456. TR4c

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 16:45:21 UTC
From: Jean
Topic: 44456 Message: 44456

Hi guys. I have decided to sell my TR4c with AC4 power supply. 100% inside and out. Full output. No scratches, mars, etc., looks like it just came out of the box. This radio is too nice to risk shipment so looking for a more local deal within reasonable distance. Better if you can come to the Shack and operate it yourself. $500.00 picked up. Have an immaculate Night Eagle D-104 mic with cover for an additional $100.00.
Give me a call and leave a message. 641-330-4851.
73,
Rick
WA0UAY

Sent from my iPad

44457. TR4c

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 17:28:53 UTC
From: Jean
Topic: 44456 Message: 44457

Forgot to mention on the previous listing....the blue LED lights have been installed and the power supply has been recapped. It also has a small muffin fan on the rear that runs quiet, just a small movement of air to help cool the finals. Can work a QSO about anytime.
Thanks,
Rick

Sent from my iPad

44458. Re: [DrakeRadio] TR4c

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 17:51:52 UTC
From: Howard Traxler
Topic: 44456 Message: 44458

Don't think I know where you are; so I won't be right over.

----- Original Message -----
From: Jean jrmiller@... [DrakeRadio]
To: drakeradio@yahoogroups.com
Sent: Wednesday, May 09, 2018 11:45 AM
Subject: [DrakeRadio] TR4c

Hi guys. I have decided to sell my TR4c with AC4 power supply. 100% inside and out. Full output. No scratches, mars, etc., looks like it just came out of the box. This radio is too nice to risk shipment so looking for a more local deal within reasonable distance. Better if you can come to the Shack and operate it yourself. $500.00 picked up. Have an immaculate Night Eagle D-104 mic with cover for an additional $100.00.
Give me a call and leave a message. 641-330-4851.
73,
Rick
WA0UAY

Sent from my iPad

44459. RE: [DrakeRadio] TR4c

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 18:31:00 UTC
From: Joe
Topic: 44456 Message: 44459

Osage, Iowa! Due west of you.

Please sign your posts with your call! Thanks!

Joe - W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] TR4c

Don't think I know where you are; so I won't be right over.

44460. TR4c

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 22:24:37 UTC
From: Jean
Topic: 44456 Message: 44460

Sorry, I had my call on the first post. The TR4c that I posted is by WA0UAY.
Osage, Iowa. Northeast Iowa, near Mason City, Charles City.
Thanks!
Rick

Sent from my iPad

44461. RE: [DrakeRadio] TR4c

Yahoo group: DrakeRadio (2018)
Date: 2018-05-09 22:35:58 UTC
From: Joe
Topic: 44456 Message: 44461

Heh. Wasn't you.

Was going to ask....any mods done to the R-4C?

And...

What crystals are included?....

Joe - W7RKN

-----Original Message-----
From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] TR4c

Sorry, I had my call on the first post. The TR4c that I posted is by WA0UAY.
Osage, Iowa. Northeast Iowa, near Mason City, Charles City.
Thanks!
Rick

44462. Re: [DrakeRadio] TR4c

Yahoo group: DrakeRadio (2018)
Date: 2018-05-10 00:23:47 UTC
From: Jean
Topic: 44456 Message: 44462

Just the caps replaced on the radio and power supply. I did put the blue LED bulbs in. Full compliment of crystals.
WA0UAY
Rick

Sent from my iPad

> On May 9, 2018, at 5:35 PM, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> Heh. Wasn't you.
>
> Was going to ask....any mods done to the R-4C?
>
> And...
>
> What crystals are included?....
>
> Joe - W7RKN
>
> -----Original Message-----
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Subject: [DrakeRadio] TR4c
>
> Sorry, I had my call on the first post. The TR4c that I posted is by WA0UAY.
> Osage, Iowa. Northeast Iowa, near Mason City, Charles City.
> Thanks!
> Rick
>
>

44463. RE: [DrakeRadio] TR4c

Yahoo group: DrakeRadio (2018)
Date: 2018-05-10 00:37:19 UTC
From: Joe
Topic: 44456 Message: 44463

OK, so, to your knowledge, none of the Sherwood mods were ever done.

Thanks!

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: [DrakeRadio] TR4c

Just the caps replaced on the radio and power supply. I did put the blue LED bulbs in. Full compliment of crystals.

WA0UAY

Rick

44464. Re: [DrakeRadio] TR4c

Yahoo group: DrakeRadio (2018)
Date: 2018-05-10 00:48:11 UTC
From: Jean
Topic: 44456 Message: 44464

Correct.

Sent from my iPad

> On May 9, 2018, at 7:37 PM, Joe w7rkn.7@gmail.com [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> OK, so, to your knowledge, none of the Sherwood mods were ever done.
>
>
>
> Thanks!
>
>
>
> Joe – W7RKN
>
>
>
> From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> Subject: Re: [DrakeRadio] TR4c
>
>
>
>
>
>
>
>
>
> Just the caps replaced on the radio and power supply. I did put the blue LED bulbs in.
Full compliment of crystals.
>
> WA0UAY
>
> Rick
>
>
>
>

44465. 1 pF cap between the T4 & T5 injector banks

Yahoo group: DrakeRadio (2018)
Date: 2018-05-11 02:12:13 UTC
From: lonelyone_64109@...
Topic: 44465 Message: 44465

What type of capacitor can I use to replace the 1 oF capacitor that's soldered to the two switch wafers that connect to the injection trimmers? There's 4 that are soldered between the wafers: a 1 pF, a .68 pF, a 1.5 pF, and a .47 pF one. I need to replace the 1 pF one.

I was thinking of using a ceramic disc cap but at what voltage. 250V rating?

WB0CJB

44466. Re: 1 pF cap between the T4 & T5 injector banks

Yahoo group: DrakeRadio (2018)
Date: 2018-05-11 02:24:45 UTC
From: lonelyone_64109@...
Topic: 44465 Message: 44466

Just answered my own question. Surplussales has the molded ceramic temperature compensating caps at 2 bucks apiece.

44467. Re: [DrakeRadio] Re: 1 pF cap between the T4 & T5 injector banks

Yahoo group: DrakeRadio (2018)
Date: 2018-05-11 02:58:47 UTC
From: Jim Wiley
Topic: 44465 Message: 44467

How about trying a home-made 'gimmick' capacitor made from 2 short lengths of solid hook-up wire twisted together for about a half-inch or so. Old timers (like me, sigh) often made serviceable caps this way. Somewhere there used to be a chart giving rough dimensions of such a cap. This was long before "store bought" caps came on the scene. Didn't cost more than a few cents either.

- Jim, KL7CC

On 5/10/2018 6:24 PM, lonelyone_64109@... [DrakeRadio] wrote:
>
> Just answered my own question. Surplussales has the molded ceramic
> temperature compensating caps at 2 bucks apiece.
>
>

44468. Re: [DrakeRadio] Re: 1 pF cap between the T4 & T5 injector banks

Yahoo group: DrakeRadio (2018)
Date: 2018-05-11 04:20:39 UTC
From: Richard Knoppow
Topic: 44465 Message: 44468

Won't work if the originals are temperature compensating.

On 5/10/2018 7:58 PM, Jim Wiley jwiley@... [DrakeRadio] wrote:
>
>
> How about trying a home-made 'gimmick' capacitor made from 2
> short lengths of solid hook-up wire twisted together for about a
> half-inch or so. Old timers (like me, sigh) often made
> serviceable caps this way.? Somewhere there used to be a chart
> giving rough dimensions of such a cap.? This was long before
> "store bought" caps came on the scene.? Didn't cost more than a
> few cents either.
>
> - Jim, KL7CC
>
>
> On 5/10/2018 6:24 PM, lonelyone_64109@... [DrakeRadio] wrote:
>>
>> Just answered my own question. Surplussales has the molded
>> ceramic temperature compensating caps at 2 bucks apiece.
>>
>
>
>
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44469. Re: [DrakeRadio] Re: 1 pF cap between the T4 & T5 injector banks

Yahoo group: DrakeRadio (2018)
Date: 2018-05-11 07:52:02 UTC
From: Jim Wiley
Topic: 44465 Message: 44469

Richard,

I would normally agree with you, but (isn't there always a "but") in this case it might work, and the cost is so low that there is not much harm in giving it a try.   In days gone by a little bit of "try it and see if it works" can't harm anything, and it could be a valuable learning experience. Did the original post refer to the capacitor being in an oscillator circuit? If so, I would still try it just to see what happens, and like I said, it might work. The original post makes me think it is not a critical component (not part of the HF oscillator), and who knows but what the manufacturer usedthe temp compensating part so they didn't have to stock so many different parts? The difference in cost is less than a penny for the "gimmick" made from on-hand "free" materials, vs. a stated price for the "right" part of $ 2.00 - and a few days (or weeks) waiting on the post office - a fairly significant difference.   Good grief, man, where's your spirit of adventure? Either it works or it doesn't. If it works, then you're ahead of the game, if not, nothingmuch is lost. This is ham radio, not nuclear physics.

- Jim, KL7CC

On 5/10/2018 8:20 PM, Richard Knoppow wrote:
> Won't work if the originals are temperature compensating.
>
> On 5/10/2018 7:58 PM, Jim Wiley jwiley@... [DrakeRadio] wrote:
>>
>>
>> How about trying a home-made 'gimmick' capacitor made from 2 short
>> lengths of solid hook-up wire twisted together for about a half-inch
>> or so. Old timers (like me, sigh) often made serviceable caps this
>> way. Somewhere there used to be a chart giving rough dimensions of
>> such a cap. This was long before "store bought" caps came on the
>> scene. Didn't cost more than a few cents either.
>>
>> - Jim, KL7CC
>>
>>
>> On 5/10/2018 6:24 PM, lonelyone_64109@... [DrakeRadio] wrote:
>>>
>>> Just answered my own question. Surplussales has the molded ceramic
>>> temperature compensating caps at 2 bucks apiece.
>>>
>>
>>
>>
>>

```
>> ----------------------------------------------------------------
>> Posted by: Jim Wiley <jwiley@...>
>> ----------------------------------------------------------------
```

44470. Re: [DrakeRadio] Re: 1 pF cap between the T4 & T5 injector banks

Yahoo group: DrakeRadio (2018)
Date: 2018-05-11 08:23:26 UTC
From: Richard Knoppow
Topic: 44465 Message: 44470

Well, you are quite right. It can't hurt and will show if the
original caps are bad.

On 5/11/2018 12:52 AM, Jim Wiley wrote:
> Richard,
>
> I would normally agree with you, but (isn't there always a "but")
> in this case it might work, and the cost is so low that there is
> not much harm in giving? it a try. ?? In days gone by a little
> bit of "try it and see if it works" can't harm anything, and it
> could be a valuable learning experience. Did the original post
> refer to the capacitor being in an oscillator circuit? If so, I
> would still try it just to see what happens, and like I said, it
> might work. The original post makes me think it is not a critical
> component (not part of the HF oscillator), and who knows but what
> the manufacturer usedthe temp compensating part so they didn't
> have to stock so many different parts?? The difference in cost is
> less than a penny for the "gimmick" made from on-hand "free"
> materials, vs. a stated price for the "right" part of $ 2.00 -
> and a few days (or weeks) waiting on the post office - a fairly
> significant difference. ? Good grief, man, where's your spirit of
> adventure? Either it works or it doesn't. If it works, then
> you're ahead of the game, if not, nothingmuch is lost. This is
> ham radio, not nuclear physics.
>
> - Jim, KL7CC
>
>
>
> On 5/10/2018 8:20 PM, Richard Knoppow wrote:
>> Won't work if the originals are temperature compensating.
>>
>> On 5/10/2018 7:58 PM, Jim Wiley jwiley@... [DrakeRadio] wrote:
>>>
>>>
>>> How about trying a home-made 'gimmick' capacitor made from 2
>>> short lengths of solid hook-up wire twisted together for about
>>> a half-inch or so. Old timers (like me, sigh) often made
>>> serviceable caps this way.? Somewhere there used to be a chart
>>> giving rough dimensions of such a cap.? This was long before
>>> "store bought" caps came on the scene.? Didn't cost more than
>>> a few cents either.
>>>
>>> - Jim, KL7CC
>>>

>>>
>>> On 5/10/2018 6:24 PM, lonelyone_64109@... [DrakeRadio]
>>> wrote:
>>>>
>>>> Just answered my own question. Surplussales has the molded
>>>> ceramic temperature compensating caps at 2 bucks apiece.
>>>>
>>>
>>>
>>>
>>>
>>> ---
>>> Posted by: Jim Wiley <jwiley@...>
>>> ---
>

--
Richard Knoppow
1oldlens1@...
WB6KBL

44471. Re: [DrakeRadio] Re: 1 pF cap between the T4 & T5 injector banks

Yahoo group: DrakeRadio (2018)
Date: 2018-05-11 12:56:28 UTC
From: Jack
Topic: 44465 Message: 44471

That is one of the reasons our hobby is called “Amateur Radio” by some of us old guys.

73,
jack

> On May 11, 2018, at 3:23 AM, Richard Knoppow 1oldlens1@... [DrakeRadio]
<DrakeRadio@yahoogroups.com> wrote:
>
> Well, you are quite right. It can't hurt and will show if the
> original caps are bad.
>
> On 5/11/2018 12:52 AM, Jim Wiley wrote:
>> Richard,
>>
>> I would normally agree with you, but (isn't there always a "but")
>> in this case it might work, and the cost is so low that there is
>> not much harm in giving it a try. In days gone by a little
>> bit of "try it and see if it works" can't harm anything, and it
>> could be a valuable learning experience. Did the original post
>> refer to the capacitor being in an oscillator circuit? If so, I
>> would still try it just to see what happens, and like I said, it
>> might work. The original post makes me think it is not a critical
>> component (not part of the HF oscillator), and who knows but what
>> the manufacturer usedthe temp compensating part so they didn't
>> have to stock so many different parts? The difference in cost is
>> less than a penny for the "gimmick" made from on-hand "free"
>> materials, vs. a stated price for the "right" part of $ 2.00 -
>> and a few days (or weeks) waiting on the post office - a fairly
>> significant difference. Good grief, man, where's your spirit of
>> adventure? Either it works or it doesn't. If it works, then
>> you're ahead of the game, if not, nothingmuch is lost. This is
>> ham radio, not nuclear physics.
>>
>> - Jim, KL7CC
>>
>>
>>
>> On 5/10/2018 8:20 PM, Richard Knoppow wrote:
>>> Won't work if the originals are temperature compensating.
>>>
>>> On 5/10/2018 7:58 PM, Jim Wiley jwiley@... [DrakeRadio] wrote:
>>>>
>>>>
>>>> How about trying a home-made 'gimmick' capacitor made from 2
>>>> short lengths of solid hook-up wire twisted together for about

>>>> a half-inch or so. Old timers (like me, sigh) often made
>>>> serviceable caps this way. Somewhere there used to be a chart
>>>> giving rough dimensions of such a cap. This was long before
>>>> "store bought" caps came on the scene. Didn't cost more than
>>>> a few cents either.
>>>>
>>>> - Jim, KL7CC
>>>>
>>>>
>>>> On 5/10/2018 6:24 PM, lonelyone_64109@yahoo.com [DrakeRadio]
>>>> wrote:
>>>>>
>>>>> Just answered my own question. Surplussales has the molded
>>>>> ceramic temperature compensating caps at 2 bucks apiece.
>>>>>
>>>>
>>>>
>>>>
>>>>
>>>> ----------
>>>> Posted by: Jim Wiley <jwiley@...>
>>>> ----------
>>
>
> --
> Richard Knoppow
> 1oldlens1@... <mailto:1oldlens1@...>
> WB6KBL
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> Yahoo Groups Links
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44472. Selling Some Drake Stuff

Yahoo group: DrakeRadio (2018)
Date: 2018-05-11 23:20:23 UTC
From: Howard Traxler
Topic: 44472 Message: 44472

I have some Drake equipment that I'll be sending to "Dayton" with friends who will display (and hopefully sell) it there for me.

1. R-4A receiver
2. C line (transmitter and receiver)
3. Two AC-4R / MS-4 speaker / power supply ssets.

Anyone interested, write to me and I'll let you know who to look for.

Howard Traxler, WA9RYF
mailto:howard@...

44473. Drake radio parts

Yahoo group: DrakeRadio (2018)
Date: 2018-05-11 23:27:47 UTC
From: prosolar@...
Topic: 44473 Message: 44473

gang...

A while back, I could get those red plastic pins that were used to slide the plastic dial for the tr series radios. Looks like Drake2bparts is no longer up and running.

so, anyone know of a source for those things?

Mike, wb8vge

44474. Re: [DrakeRadio] Selling Some Drake Stuff

Yahoo group: DrakeRadio (2018)
Date: 2018-05-11 23:30:24 UTC
From: RAY FRIESS
Topic: 44472 Message: 44474

Anyone planning on going to Dayton or send stuff willing to let those of us who can't go know what you have that you'd be willing to sell and ship?

Sent from my Verizon LG Smartphone

------ Original message------
From: 'Howard Traxler' howard@traxlerenterprises.com [DrakeRadio]
Date: Fri, May 11, 2018 6:20 PM
To: DrakeRadio@yahoogroups.com;
Cc:
Subject:[DrakeRadio] Selling Some Drake Stuff

☐

I have some Drake equipment that I'll be sending to "Dayton" with friends who will display (and hopefully sell) it there for me.

1. R-4A receiver
2. C line (transmitter and receiver)
3. Two AC-4R / MS-4 speaker / power supply ssets.

Anyone interested, write to me and I'll let you know who to look for.

Howard Traxler, WA9RYF
mailto:howard@traxlerenterprises.com

44475. Re: Selling Some Drake Stuff

Yahoo group: DrakeRadio (2018)
Date: 2018-05-12 05:23:13 UTC
From: prosolar@...
Topic: 44472 Message: 44475

howard,

your email doesn't show up.

email good on qrz?

mike wb8vge

44476. RE: [DrakeRadio] Re: Selling Some Drake Stuff

Yahoo group: DrakeRadio (2018)
Date: 2018-05-12 05:35:04 UTC
From: Joe
Topic: 44472 Message: 44476

From his initial post:

****

I have some Drake equipment that I'll be sending to "Dayton" with friends who will display (and hopefully sell) it there for me.

1. R-4A receiver

2. C line (transmitter and receiver)

3. Two AC-4R / MS-4 speaker / power supply ssets.

Anyone interested, write to me and I'll let you know who to look for.

Howard Traxler, WA9RYF

mailto:howard@...

****

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Re: Selling Some Drake Stuff

howard,

your email doesn't show up.

email good on qrz?

mike wb8vge

44477. RE: [DrakeRadio] Drake radio parts

Yahoo group: DrakeRadio (2018)
Date: 2018-05-12 05:36:40 UTC
From: Joe
Topic: 44473 Message: 44477

Mike,

Do you have access to a 3D printer?

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] Drake radio parts

gang...

A while back, I could get those red plastic pins that were used to slide the plastic dial for the tr series radios. Looks like Drake2bparts is no longer up and running.

so, anyone know of a source for those things?

Mike, wb8vge

44478. Re: [DrakeRadio] Re: Selling Some Drake Stuff

Yahoo group: DrakeRadio (2018)
Date: 2018-05-12 06:11:30 UTC
From: Howard Traxler
Topic: 44472 Message: 44478

don't know about qrz. never took any pains to be listed. but I'm at

howard@...

----- Original Message -----
From: prosolar@... [DrakeRadio]
To: DrakeRadio@yahoogroups.com
Sent: Saturday, May 12, 2018 12:23 AM
Subject: [DrakeRadio] Re: Selling Some Drake Stuff

howard,

your email doesn't show up.

email good on qrz?

mike wb8vge

44480. R-4A /T-4X/W-4/AC-3

Yahoo group: DrakeRadio (2018)
Date: 2018-05-16 03:58:33 UTC
From: Tony Sokol
Topic: 44480 Message: 44480
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Gang,
The above Drake Equipment is for sale and can be brought to Dayton. If you're interested please contact Brian W9SRK @ ☐(630) 220-8935☐ before Thursday Morning.
Email: sokolb@...

73
Tony - W9JXN (Dad)

44481. FS items before Hamvention

Yahoo group: DrakeRadio (2018)
Date: 2018-05-16 04:29:40 UTC
From: Evan
Topic: 44481 Message: 44481

Fellow Drake Enthusiasts,

In response to a posting and an email request, I have some items for sale, local pickup just 5 miles west of Greene County Fairgrounds, before or during Hamvention weekend coming up. I can't do any shipping at this time. I'm unable to attend the event due to mobility issues and care giving responsibilities.

As a side note, I've put in a request for good weather for the weekend, hi hi.

73,

Evan, K9SQG

Drake W4wattmeter with manual, $85.
OriginalDrake manuals: PS-7 $5, L7 $15.
Kenwoodoriginal manuals, owners's and service, for SM-220 station monitor, $15 forboth.
AntennaLoading Coil, Military, CU-32/ART-13A, 200-1500 kc, used in WWII aircraft including the B-29, brokencoil form, missing knob, and vac relay damaged, but switches, case, etc. look good. $35.
MFJ-264 dry dummyload, 1.5KW, $30.
Thrustbearing, 2 inch, $15.
Antennaspecialists, 2M (5/8?) bumper mount antenna, ground independent, new, $20.
JIL SX-200scanner, $35.
220 v Variac, (20A?) open frame, $25.
Large (Navy?)knief switch, DPDT, new in sealed bag, (WWII?), $40.
D-104 FinalEdition, unused, with display case, $150.
Staco variacwith voltmeter, Model E1010V, 9 A, $50.
Hickok 8000Atube tester, tubes and pilot lights replaced, excellent condition, $175.
Triplett,Model 100 VOM, brand new in box with manual, leather case, AC ammeter clamp onprobe, etc. etc., $75.
Hastings Hotstick,40 ft, use to put antennas in trees or for Field Day antenna support, $75.

44482. Re: [DrakeRadio] FS items before Hamvention

Yahoo group: DrakeRadio (2018)
Date: 2018-05-16 10:09:34 UTC
From: rls19
Topic: 44481 Message: 44482

Evan,

I’m interested in the tube tester. Can you tell me a little more about it? I can’t seem to find anything about that model on the internet. Does it test transconductance?

73,
Bob AD3K

Robert L. Spooner
P.O. Box 985
Lemont, PA 16851-0985
(814) 237-6968
rls19@...

> On May 16, 2018, at 12:29 AM, Evan k9sqg@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Fellow Drake Enthusiasts,
>
> In response to a posting and an email request, I have some items for sale, local pickup just 5 miles west of Greene County Fairgrounds, before or during Hamvention weekend coming up. I can't do any shipping at this time. I'm unable to attend the event due to mobility issues and care giving responsibilities.
>
> As a side note, I've put in a request for good weather for the weekend, hi hi.
>
> 73,
>
> Evan, K9SQG
>
>
> Drake W4 wattmeter with manual, $85.
> Original Drake manuals: PS-7 $5, L7 $15.
> Kenwood original manuals, owners's and service, for SM-220 station monitor, $15 for both.
> Antenna Loading Coil, Military, CU-32/ART-13A, 200-1500 kc, used in WWII aircraft including the B-29, broken coil form, missing knob, and vac relay damaged, but switches, case, etc. look good. $35.
> MFJ-264 dry dummy load, 1.5KW, $30.
> Thrust bearing, 2 inch, $15.
> Antenna specialists, 2M (5/8?) bumper mount antenna, ground independent, new, $20.
> JIL SX-200 scanner, $35.
> 220 v Variac, (20A?) open frame, $25.
> Large (Navy?) knief switch, DPDT, new in sealed bag, (WWII?), $40.
> D-104 Final Edition, unused, with display case, $150.
> Staco variac with voltmeter, Model E1010V, 9 A, $50.

> Hickok 8000A tube tester, tubes and pilot lights replaced, excellent condition, $175.
> Triplett, Model 100 VOM, brand new in box with manual, leather case, AC ammeter clamp on probe, etc. etc., $75.
> Hastings Hotstick, 40 ft, use to put antennas in trees or for Field Day antenna support, $75.
>
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>
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>

44483. Re: [DrakeRadio] FS items before Hamvention

Yahoo group: DrakeRadio (2018)
Date: 2018-05-16 12:05:00 UTC
From: James R. La Frieda
Topic: 44481 Message: 44483

Bob,

8000A is a typo, with one too many "zeros", for Hickok made tube tester Models 800 and 800A, which you can read about at:

http://www.tubewizard.com/recommended_Hickok_testers.htm

http://www.alltubetesters.com/articles/tester_guide.htm

The 800A, as do most Hickok Tube Testers measures the transconductance (gm) of a tube vs. solely emission.

73, Jim (N6MV)

On 5/16/2018 3:09 AM, rls19 rls19@... [DrakeRadio] wrote:
>
> Evan,
>
>
> I'm interested in the tube tester. Can you tell me a little more about
> it? I can't seem to find anything about that model on the internet.
> Does it test transconductance?
>
> 73,
> Bob AD3K
>
>
>
> Robert L. Spooner
> P.O. Box 985
> Lemont, PA 16851-0985
> (814) 237-6968
> rls19@... <mailto:rls19@...>
>
>
>
>
>> On May 16, 2018, at 12:29 AM, Evan k9sqg@...
>> <mailto:k9sqg@...> [DrakeRadio] <DrakeRadio@yahoogroups.com
>> <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>>
>> Fellow Drake Enthusiasts,
>>
>> In response to a posting and an email request, I have some items for
>> sale, local pickup just 5 miles west of Greene County Fairgrounds,

>> before or during Hamvention weekend coming up. I can't do any
>> shipping at this time. I'm unable to attend the event due to
>> mobility issues and care giving responsibilities.
>>
>> As a side note, I've put in a request for good weather for the
>> weekend, hi hi.
>>
>> 73,
>>
>> Evan, K9SQG
>>
>>
>> Drake W4 wattmeter with manual, $85.
>> Original Drake manuals: PS-7 $5, L7 $15.
>> Kenwood original manuals, owners's and service, for SM-220 station
>> monitor, $15 for both.
>> Antenna Loading Coil, Military, CU-32/ART-13A, 200-1500 kc, used in
>> WWII aircraft including the B-29, broken coil form, missing knob,
>> and vac relay damaged, but switches, case, etc. look good. $35.
>> MFJ-264 dry dummy load, 1.5KW, $30.
>> Thrust bearing, 2 inch, $15.
>> Antenna specialists, 2M (5/8?) bumper mount antenna, ground
>> independent, new, $20.
>> JIL SX-200 scanner, $35.
>> 220 v Variac, (20A?) open frame, $25.
>> Large (Navy?) knief switch, DPDT, new in sealed bag, (WWII?), $40.
>> D-104 Final Edition, unused, with display case, $150.
>> Staco variac with voltmeter, Model E1010V, 9 A, $50..
>> Hickok 8000A tube tester, tubes and pilot lights replaced, excellent
>> condition, $175.
>> Triplett, Model 100 VOM, brand new in box with manual, leather case,
>> AC ammeter clamp on probe, etc. etc., $75.
>> Hastings Hotstick, 40 ft, use to put antennas in trees or for Field
>> Day antenna support, $75.
>>
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>>
>
>

44484. CORRECTION for FS items before Hamvention

Yahoo group: DrakeRadio (2018)
Date: 2018-05-16 14:24:11 UTC
From: Evan
Topic: 44481 Message: 44484

Fellow Drake Enthusiasts,

I'd like to make corrections to the listing that I posted previously.

The tube tester is actually a Hickok 6000A.
Also, the Hastings hot stick is new.

I apologize for the errors, due in part to health issues within my family; I should have been more conscientious.

73,

Evan, K9SQG

-----Original Message-----
From: Evan k9sqg@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
To: DrakeRadio <DrakeRadio@yahoogroups.com>
Sent: Wed, May 16, 2018 12:29 am
Subject: [DrakeRadio] FS items before Hamvention

Fellow Drake Enthusiasts,

In response to a posting and an email request, I have some items for sale, local pickup just 5 miles west of Greene County Fairgrounds, before or during Hamvention weekend coming up. I can't do any shipping at this time. I'm unable to attend the event due to mobility issues and care giving responsibilities.

As a side note, I've put in a request for good weather for the weekend, hi hi.

73,

Evan, K9SQG

Drake W4wattmeter with manual, $85.
OriginalDrake manuals: PS-7 $5, L7 $15.
Kenwoodoriginal manuals, owners's and service, for SM-220 station monitor, $15 forboth.
AntennaLoading Coil, Military, CU-32/ART-13A, 200-1500 kc, used in WWII aircraft including the B-29, brokencoil form, missing knob, and vac relay damaged, but switches, case, etc. look good. $35.
MFJ-264 dry dummyload, 1.5KW, $30.
Thrustbearing, 2 inch, $15.
Antennaspecialists, 2M (5/8?) bumper mount antenna, ground independent, new, $20.
JIL SX-200scanner, $35.
220 v Variac, (20A?) open frame, $25.
Large (Navy?)knief switch, DPDT, new in sealed bag, (WWII?), $40.
D-104 FinalEdition, unused, with display case, $150.
Staco variacwith voltmeter, Model E1010V, 9 A, $50.
Hickok 8000Atube tester, tubes and pilot lights replaced, excellent condition, $175.

Triplett,Model 100 VOM, brand new in box with manual, leather case, AC ammeter clamp onprobe, etc. etc., $75.
Hastings Hotstick,40 ft, use to put antennas in trees or for Field Day antenna support, $75.

44485. Re: [DrakeRadio] CORRECTION for FS items before Hamvention

Yahoo group: DrakeRadio (2018)
Date: 2018-05-16 14:41:14 UTC
From: Jeffrey Angus
Topic: 44481 Message: 44485

On 5/16/18 9:24 AM, Evan k9sqg@... [DrakeRadio] wrote:
> The tube tester is actually a Hickok 6000A.
That is an excellent tube test.
It does mutual conductance.
I have one myself.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44486. Re: [DrakeRadio] CORRECTION for FS items before Hamvention

Yahoo group: DrakeRadio (2018)
Date: 2018-05-16 15:48:07 UTC
From: Barry
Topic: 44481 Message: 44486

A tube tester that tests transistors. Cool. My 752A won't do that.

Thanks,
Barry - N4BUQ

> On 5/16/18 9:24 AM, Evan k9sqg@... [DrakeRadio] wrote:
> > The tube tester is actually a Hickok 6000A.
> That is an excellent tube test.
> It does mutual conductance.
> I have one myself.
>
> --
> "I am a river to my people."
> Jeff-1.0
> WA6FWI
> www.foxsmercantile.com
>
>

44487. Hickok 6000A SOLD

Yahoo group: DrakeRadio (2018)
Date: 2018-05-16 17:15:36 UTC
From: Evan
Topic: 44487 Message: 44487

Thanks to all who inquired about the tube tester. It has been sold and I wish I had several more.

73,

Evan, K9SQG

44488. Staco variac SOLD

Yahoo group: DrakeRadio (2018)
Date: 2018-05-16 17:23:46 UTC
From: Evan
Topic: 44488 Message: 44488

Thank you for the inquiries, the Staco variac has been sold.

73,

Evan, K9SQG

44489. model # for 2M antenna FS

Yahoo group: DrakeRadio (2018)
Date: 2018-05-16 17:47:51 UTC
From: Evan
Topic: 44489 Message: 44489

Fellow Drake enthusiasts,

To respond to inquiries, I got downstairs and looked at the box, and the antenna is an Antenna Specialists ASPS-200 which is claimed to have a 3 db gain figure. One could also use it as a base station antenna too. In spite of my uncle Arthur (itis) visiting, I was actually able to get back up the stairs, hi hi.

73,

Evan, K9SQG

44490. Drake MN2700 problem

Yahoo group: DrakeRadio (2018)
Date: 2018-05-17 12:14:54 UTC
From: <todd@...>
Topic: 44490 Message: 44490

I put up a 160m dipole that tuned up 1:1 across the entire bands for 10m thru 160m with my MN2700 tuner except 40m. I spent a considerable amount of time adjusting the antenna and feed line (600 ohm ladder line) lengths and the best SWR with the MN2700 I could get was 1 : 1.8. Yesterday I disconnected the MN2700 and installed a MN7 I had and it tuned up 1:1 across the entire 40m band. The MN2700 has a problem tuning 40m. Before I take the MN2700 apart I thought I would ask if anyone may have an idea of what the problem may be. Any input will be appreciated. 73,? Todd? K1TOD

44491. Re: [DrakeRadio] Drake MN2700 problem

Yahoo group: DrakeRadio (2018)
Date: 2018-05-17 13:38:27 UTC
From: MadScientist1948
Topic: 44490 Message: 44491

Most likely would be a contact on one of the switches has either gotten burned, resulting in high resistance connection.

Also possible would be a burn trace on one of the wafers, making a shunting path from a 40 meter contact to some place else, most likely to the shaft (ground).

Gary

> On May 17, 2018, at 7:14 AM, todd@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> I put up a 160m dipole that tuned up 1:1 across the entire bands for 10m thru 160m with my MN2700 tuner except 40m. I spent a considerable amount of time adjusting the antenna and feed line (600 ohm ladder line) lengths and the best SWR with the MN2700 I could get was 1 : 1.8. Yesterday I disconnected the MN2700 and installed a MN7 I had and it tuned up 1:1 across the entire 40m band. The MN2700 has a problem tuning 40m. Before I take the MN2700 apart I thought I would ask if anyone may have an idea of what the problem may be. Any input will be appreciated. 73, Todd K1TOD
>
>

44492. messages

Yahoo group: DrakeRadio (2018)
Date: 2018-05-18 13:47:43 UTC
From: <w2ssx@...>
Topic: 44492 Message: 44492

What Happened! I’m not getting daily messages from the Drake group.
Rich W2SSX

44493. Re: [DrakeRadio] messages

Yahoo group: DrakeRadio (2018)
Date: 2018-05-18 14:19:57 UTC
From: Jeffrey Angus
Topic: 44492 Message: 44493

On 5/18/18 8:47 AM, w2ssx@... [DrakeRadio] wrote:
>
> What Happened! I?m not getting daily messages from the Drake group.
> Rich W2SSX
We're getting them.

--
"I am a river to my people."
Jeff-1.0
WA6FWI
www.foxsmercantile.com

44494. Wanted---- L4-B parts

Yahoo group: DrakeRadio (2018)
Date: 2018-05-18 18:38:32 UTC
From: CEMILTON@...
Topic: 44494 Message: 44494

Good afternoon to the list.....

I'm restoring/refurbishing an L4-B and would like to acquire some parts if anyone has a carcass or just the parts alone.

1. Meter Switch, labeled S-3 on schematic.
2. One or more Resistors, 5.0 Meg, 1-watt, 1% labeled R6, R7, R9 and R10.

Please respond off-list and many thanks for the assistance.

73
Chuck
W4MIL

チャーリー ミルトン

44495. Re: [DrakeRadio] messages

Yahoo group: DrakeRadio (2018)
Date: 2018-05-18 22:53:02 UTC
From: Tom
Topic: 44492 Message: 44495

Me neither
-------- Original message --------From: "w2ssx@yahoo.com [DrakeRadio]" <DrakeRadio@yahoogroups.com> Date: 5/18/18 8:47 AM (GMT-06:00) To: DrakeRadio@yahoogroups.com Subject: [DrakeRadio] messages

What Happened! I’m not getting daily messages from the
Drake group.
Rich W2SSX

44496. Re: [DrakeRadio] messages

Yahoo group: DrakeRadio (2018)
Date: 2018-05-19 00:33:31 UTC
From: Henry L. Dorkin
Topic: 44496 Message: 44496

Have to say I have not gotten anything other than these queries over the past few days.

Tnx - Hank WM1V

Me neither

-------- Original message --------

From: "w2ssx@yahoo.com [DrakeRadio]" DrakeRadio@yahoogroups.com

Date: 5/18/18 8:47 AM (GMT-06:00)

To: DrakeRadio@yahoogroups.com

Subject: [DrakeRadio] messages

What Happened! Im not getting daily messages from the Drake group.

Rich W2SSX

44497. Re: [DrakeRadio] messages

Yahoo group: DrakeRadio (2018)
Date: 2018-05-19 01:48:39 UTC
From: Jim Shorney
Topic: 44492 Message: 44497

The group naturally goes quiet sometimes for varios reasons. Like spring, summer, Dayton, etc.

73

-Jim (anyone want to hear about my R7 op-amp upgrade?)
NU0C

On Fri, 18 May 2018 17:53:02 -0500, Tom tbahr@... [DrakeRadio] wrote:

>Me neither-?
>-------- Original message --------From: "w2ssx@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> Date: 5/18/18 8:47 AM (GMT-06:00) To: DrakeRadio@yahoogroups.com Subject: [DrakeRadio] messages
>
>What Happened! IG??m not getting daily messages from the
>Drake group.
>Rich W2SSX

--

"A deep understanding of reality is exactly the same thing as laziness." - Wally, "Dilbert"

44498. R7(A) Op-Amp upgrade

Yahoo group: DrakeRadio (2018)
Date: 2018-05-19 04:24:44 UTC
From: Jim Shorney
Topic: 44498 Message: 44498

Yeah, sure, make me look it up again...

We're looking at the IF/Audio board here. This is getting a little into audiophool territory here so I fully expect some guff over it. I'll preface this in the interest of full disclosure by saying that I have made some other changes to the audio chain previously. These include changing any 2N3904 to BC549B, replacing any ceramic audio coupling capacitors with poly, and replacing select carbon resistors with metal film. While I don't have any hard data to back it up I a convinced that subjectively it made the RX sound better.

This is not an audio change however. I'm looking at U1101, a 741 op amp. The 741 was a good chip in its day but it is long in the tooth and there are better devices available now. This chip is in the 50 KHz IF circuit and performs the notch filter function. The idea occurred to me that the rig might benefit from a modern, faster, quieter op-amp. After reading some comments in various audio forums on 741 upgrade replacements I settled on the TLE2071CP as a good candidate. The data sheet is available online.

No circuit changes were needed as the new chip is a pin compatible replacement. I fully expected it to take off and oscillate but it did not. It just worked. Regardless, I added a 0.1 uF bypass cap directly across the the power and ground pins on the bottom side of the board just to be safe. I re-aligned the notch circuit to make sure it was right and the notch seems to work as before.

I've been using the rig for a couple of weeks now with the new op-amp. Was there any improvement? Again, I don't have any hard data one way or the other. I don't have the lab equipment to deep dive and make the kind of measurements I would need. But the radio sure sounds nice.

One might ask "HF is so noisy why bother with changing to low noise devices in the radio?" IMO that is exactly the reason why. We alreaady get plenty of noise through the antenna point, do we really want to add any MORE than is absolutely necessary? Another aim is reduction of distortion, particularly IMD. The R7, like any decent low distortion RX, will have a definite "sweet spot" when tuning SSB where a good signal will sound almost completely natural. In my rig the sweet spot is narrow and pronounced. The downside, if any, is that bad signals stick out like a sore thumb.

As a side note, the Teledyne 712-12 RF preamp relay replacement seems to be working well also. I've done a post mortem on the original Sigma relay and am not impressed. I don't think Sigma was serious when they designed this pile....

One more data point for the collective. If you have the version 2 DC-DC converter power supply board (the one with the TDA2002 chip) you might want to check and replace C1914. It's now on my short list of "must replace always" caps. This cap handles the full AC current of the converter and will be the first to fail. You won't notice anything until your VCO starts to lose lock on

the high bands but performance will suffer elsewhere. Use a good 105C part.

73

-Jim
NU0C

On Fri, 18 May 2018 22:27:38 -0400, Henry L. Dorkin wrote:

>
>Love to hear about it - I have a 7A.
>
>Hank
>WM1V
>---- Original Message ----
>From: "'Jim Shorney' jshorney@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
>Sent: 5/18/2018 9:59:48 PM
>To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>
>Subject: Re: [DrakeRadio] messages
>
>
>The group naturally goes quiet sometimes for varios reasons. Like spring,
>summer, Dayton, etc.
>
>73
>
>-Jim (anyone want to hear about my R7 op-amp upgrade?)
>NU0C
>
>On Fri, 18 May 2018 17:53:02 -0500, Tom tbahr@... [DrakeRadio] wrote:
>
>>Me neither-?
>>-------- Original message --------From: "w2ssx@... [DrakeRadio]"
<DrakeRadio@yahoogroups.com> Date: 5/18/18 8:47 AM (GMT-06:00) To:
DrakeRadio@yahoogroups.com Subject: [DrakeRadio] messages
>>
>>What Happened! IG??m not getting daily messages from the
>>Drake group.
>>Rich W2SSX
>

--
Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"

44499. Re: [DrakeRadio] R7(A) Op-Amp upgrade

Yahoo group: DrakeRadio (2018)
Date: 2018-05-19 04:38:44 UTC
From: Keith R. Erickson
Topic: 44498 Message: 44499

Thank you.

One thing I have done on mine is to tap the 50hz if going to am detector with a very small PF capacitor and connect small piece of rg174 going to aux phone jack. Then monitor this if with scope. Great for alignment purposes.

Keith

Sent from my iPad

> On May 18, 2018, at 11:24 PM, 'Jim Shorney' jshorney@... [DrakeRadio] <DrakeRadio@...m> wrote:
>
>
> Yeah, sure, make me look it up again...
>
> We're looking at the IF/Audio board here. This is getting a little into
> audiophool territory here so I fully expect some guff over it. I'll preface
> this in the interest of full disclosure by saying that I have made some other
> changes to the audio chain previously. These include changing any 2N3904 to
> BC549B, replacing any ceramic audio coupling capacitors with poly, and
> replacing select carbon resistors with metal film. While I don't have any hard
> data to back it up I a convinced that subjectively it made the RX sound better.
>
> This is not an audio change however. I'm looking at U1101, a 741 op amp. The
> 741 was a good chip in its day but it is long in the tooth and there are better
> devices available now. This chip is in the 50 KHz IF circuit and performs the
> notch filter function. The idea occurred to me that the rig might benefit from
> a modern, faster, quieter op-amp. After reading some comments in various audio
> forums on 741 upgrade replacements I settled on the TLE2071CP as a good
> candidate. The data sheet is available online.
>
> No circuit changes were needed as the new chip is a pin compatible replacement.
> I fully expected it to take off and oscillate but it did not. It just worked.
> Regardless, I added a 0.1 uF bypass cap directly across the the power and
> ground pins on the bottom side of the board just to be safe. I re-aligned the
> notch circuit to make sure it was right and the notch seems to work as before.
>
> I've been using the rig for a couple of weeks now with the new op-amp. Was
> there any improvement? Again, I don't have any hard data one way or the other.
> I don't have the lab equipment to deep dive and make the kind of measurements I
> would need. But the radio sure sounds nice.
>
> One might ask "HF is so noisy why bother with changing to low noise devices in
> the radio?" IMO that is exactly the reason why. We alreaady get plenty of noise
> through the antenna point, do we really want to add any MORE than is absolutely

> necessary? Another aim is reduction of distortion, particularly IMD. The R7,
> like any decent low distortion RX, will have a definite "sweet spot" when
> tuning SSB where a good signal will sound almost completely natural. In my rig
> the sweet spot is narrow and pronounced. The downside, if any, is that bad
> signals stick out like a sore thumb.
>
> As a side note, the Teledyne 712-12 RF preamp relay replacement seems to be
> working well also. I've done a post mortem on the original Sigma relay and am
> not impressed. I don't think Sigma was serious when they designed this pile....
>
> One more data point for the collective. If you have the version 2 DC-DC
> converter power supply board (the one with the TDA2002 chip) you might want to
> check and replace C1914. It's now on my short list of "must replace always"
> caps. This cap handles the full AC current of the converter and will be the
> first to fail. You won't notice anything until your VCO starts to lose lock on
> the high bands but performance will suffer elsewhere. Use a good 105C part.
>
> 73
>
> -Jim
> NU0C
>
> On Fri, 18 May 2018 22:27:38 -0400, Henry L. Dorkin wrote:
>
> >
> >Love to hear about it - I have a 7A.
> >
> >Hank
> >WM1V
> >---- Original Message ----
> >From: "'Jim Shorney' jshorney@...m [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> >Sent: 5/18/2018 9:59:48 PM
> >To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>
> >Subject: Re: [DrakeRadio] messages
> >
> >
> >The group naturally goes quiet sometimes for varios reasons. Like spring,
> >summer, Dayton, etc.
> >
> >73
> >
> >-Jim (anyone want to hear about my R7 op-amp upgrade?)
> >NU0C
> >
> >On Fri, 18 May 2018 17:53:02 -0500, Tom tbahr@... [DrakeRadio] wrote:
> >
> >>Me neither-?
> >>-------- Original message --------From: "w2ssx@yahoo.com [DrakeRadio]"
<DrakeRadio@yahoogroups.com> Date: 5/18/18 8:47 AM (GMT-06:00) To:
DrakeRadio@yahoogroups.com Subject: [DrakeRadio] messages

> >>
> >>What Happened! IG??m not getting daily messages from the
> >>Drake group.
> >>Rich W2SSX
> >
>
> --
> Hold tight and pretend it's a plan. - The Doctor, "The Doctor, the Widow and the Wardrobe"
>
>

44500. RE: [DrakeRadio] messages

Yahoo group: DrakeRadio (2018)
Date: 2018-05-19 04:48:36 UTC
From: Joe
Topic: 44492 Message: 44500

In the past week alone, we have seen at least 85 messages, by rough count.

Are you running Windows 10, by any chance? I understand there has been some issues with the latest update to Windows 10, and quite a few have been lodged about Outlook.

Joe - W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] messages

What Happened! I'm not getting daily messages from the Drake group.

Rich W2SSX

44501. Re: [DrakeRadio] messages

Yahoo group: DrakeRadio (2018)
Date: 2018-05-19 10:59:57 UTC
From: Henry L. Dorkin
Topic: 44501 Message: 44501

Guilty as charged - and there was a Windows 10 upgrade downloaded just this week. Of note - this e-mail must have been received properly because you did not address it to me personally. I received it through the group. Intermittent?

Tnx - Hank WM1V

In the past week alone, we have seen at least 85 messages, by rough count.

Are you running Windows 10, by any chance? I understand there has been some issues with the latest update to Windows 10, and quite a few have been lodged about Outlook.

Joe W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: [DrakeRadio] messages

What Happened! Im not getting daily messages from the Drake group.

Rich W2SSX

44502. Re: [DrakeRadio] messages

Yahoo group: DrakeRadio (2018)
Date: 2018-05-19 11:50:40 UTC
From: James R. Bartlett
Topic: 44492 Message: 44502

Hi Joe,
I am running Windows 10, have not experienced
any trouble so far. use emai. l @....
Seems to work fine on all sites.
73's
Jim
Ei2BB

On 19 May 2018 at 05:48, Joe w7rkn.7@... [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> In the past week alone, we have seen at least 85 messages, by rough count.
>
>
>
> Are you running Windows 10, by any chance? I understand there has been
> some issues with the latest update to Windows 10, and quite a few have
> been lodged about Outlook.
>
>
>
> Joe – W7RKN
>
>
>
> *From:* DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
> *Subject:* [DrakeRadio] messages
>
>
>
>
>
>
>
> What Happened! I’m not getting daily messages from the Drake group.
>
> Rich W2SSX
>
>
>
>
>
>
>

44503. Re: [DrakeRadio] messages

Yahoo group: DrakeRadio (2018)
Date: 2018-05-19 11:55:48 UTC
From: Steve Wedge
Topic: 44492 Message: 44503

I seem to be receiving everything fine.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Fri, May 18, 2018 at 8:33 PM, 'Henry L. Dorkin' dorkinh@...
[DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
>
>
> Have to say I have not gotten anything other than these queries over the
> past few days.
>
> Tnx - Hank WM1V
>
>
>
> Me neither
>
> -------- Original message --------
> From: "w2ssx@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
> Date: 5/18/18 8:47 AM (GMT-06:00)
> To: DrakeRadio@yahoogroups.com
> Subject: [DrakeRadio] messages
>
>
>
> What Happened! I’m not getting daily messages from the Drake group.
> Rich W2SSX
>
>
>

44504. SEEKING....SPR-4 Alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-05-19 16:19:25 UTC
From: dxace1@...
Topic: 44504 Message: 44504

Hello to everyone. One of my two SPR-4s is in need of alignment/peaking and I wonder if there is anyone in the group who can help with that. This is a high serial number unit. I would be willing to pay a reasonable price for this, plus shipping both ways from here in Maryland to your location.

Thanks much....

44505. Re: [DrakeRadio] SEEKING....SPR-4 Alignment

Yahoo group: DrakeRadio (2018)
Date: 2018-05-19 22:01:59 UTC
From: MadScientist1948
Topic: 44504 Message: 44505

I have that capability here.

$80 if there is nothing else wrong with the radio.

Gary

W0DVN

> On May 19, 2018, at 11:19 AM, dxace1@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
wrote:
>
>
> Hello to everyone. One of my two SPR-4s is in need of alignment/peaking
>
> and I wonder if there is anyone in the group who can help with that. This is
>
> a high serial number unit. I would be willing to pay a reasonable price for this,
>
> plus shipping both ways from here in Maryland to your location.
>
>
>
> Thanks much....
>
>
>

44506. WTB tubes for TR4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-22 05:02:48 UTC
From: kevinmulter@...
Topic: 44506 Message: 44506

Hello to the group. I am looking for a spare set of tubes, less the finals, for my TR4. Let me know if anyone has any to sell or a go to tube
supplier for Drakes.

73

Kevin- W2AQY

44507. Re: [DrakeRadio] WTB tubes for TR4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-22 11:32:32 UTC
From: <km2km@...>
Topic: 44506 Message: 44507

Kevin, RF Parts is one supplier of new tubes - others sell matched sets of finals too - P-r-i-c-e-y!

Then there is the hamfest tour - I used to carry a card in my wallet of the tubes that I needed to complete an extra set - always a good excuse for going to a hamfest! But there it is "buyer beware" often it is a "pig in a poke."

On eBay you see whole sets advertised from time to time - check the reviews of the sellers.

Kris KM2KM
MERSCHROD
123 Warren Road
Ithaca, NY 14850

---- "kevinmulter@... [DrakeRadio]" <DrakeRadio@yahoogroups.com> wrote:

==========
Hello to the group. I am looking for a spare set of tubes, less the finals, for my TR4. Let me know if anyone has any to sell or a go to tube
supplier for Drakes.

73

Kevin- W2AQY

44508. Re: [DrakeRadio] WTB tubes for TR4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-22 13:40:42 UTC
From: MadScientist1948
Topic: 44506 Message: 44508

Can you provide a list of the tubes you need?

I have a box full of Drake tubes.

All NOS.

Gary

> On May 22, 2018, at 12:02 AM, kevinmulter@...m [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
> Hello to the group. I am looking for a spare set of tubes, less the finals, for my TR4. Let me know if anyone has any to sell or a go to tube
>
> supplier for Drakes.
>
>
>
>
>
> 73
>
>
>
> Kevin- W2AQY
>
>
>

44509. VK wants a drake

Yahoo group: DrakeRadio (2018)
Date: 2018-05-22 13:09:22 UTC
From: vk8hlf@...
Topic: 44509 Message: 44509

good morning gents

I am looking to purchase a nice piece of drake gear weather it be a set of twins T4xc-R4c,, or a good transceiver TR-4C etc or better, in excellent working order, good ol quality american vintage gear is hard to find in VK, I have a mint condition for 25 years an L-4B and would like to finally pair it with a nice drake transmitter..
I know shipping gear O/S is not always easy so as long as your price is reasonable I will pay for your time
thank you for your time..

Cheers Greg VK8HLF

44510. Re: [DrakeRadio] VK wants a drake

Yahoo group: DrakeRadio (2018)
Date: 2018-05-22 14:48:51 UTC
From: Brian Smith
Topic: 44509 Message: 44510

There is a set on QRZ.com right now for sale by K4ZHM

Brian Smith

> On May 22, 2018, at 8:09 AM, vk8hlf@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> good morning gents
>
>
>
> I am looking to purchase a nice piece of drake gear weather it be a set of twins T4xc-R4c,, or a good transceiver TR-4C etc or better, in excellent working order, good ol quality american vintage gear is hard to find in VK, I have a mint condition for 25 years an L-4B and would like to finally pair it with a nice drake transmitter..
>
> I know shipping gear O/S is not always easy so as long as your price is reasonable I will pay for your time
>
> thank you for your time..
>
>
>
> Cheers Greg VK8HLF
>
>

44511. Re: [DrakeRadio] WTB tubes for TR4

Yahoo group: DrakeRadio (2018)
Date: 2018-05-22 15:05:58 UTC
From: kevin multer
Topic: 44506 Message: 44511

As a follow up to my WTB request, here is the complete list of the tubes I am after.

QTY.2: 6EA8
QTY.2: 12AV6
QTY.2: 6EJ7
QTY.1: 6BA6
QTY.4: 12BA6
QTY.1: 6BZ6
QTY.1: 13DE7
QTY.1: 6GX6
QTY.1: 6AQ5
QTY.2: 6EV7
QTY.1: OA2

> On May 22, 2018, at 9:40 AM, MadScientist1948 <dukeshifi@...> wrote:
>
> Can you provide a list of the tubes you need?
>
> I have a box full of Drake tubes.
>
> All NOS.
>
> Gary
>
>> On May 22, 2018, at 12:02 AM, kevinmulter@... <mailto:kevinmulter@...> [DrakeRadio] <DrakeRadio@yahoogroups.com <mailto:DrakeRadio@yahoogroups.com>> wrote:
>>
>>
>> Hello to the group. I am looking for a spare set of tubes, less the finals, for my TR4. Let me know if anyone has any to sell or a go to tube
>>
>> supplier for Drakes.
>>
>>
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>>
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>> 73
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>>
>> Kevin- W2AQY
>>
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>>

>

44512. Re: [DrakeRadio] VK wants a drake

Yahoo group: DrakeRadio (2018)
Date: 2018-05-22 15:13:23 UTC
From: Howard Traxler
Topic: 44509 Message: 44512

I have a Drake transmitter, T-4XC and AC-4R power supply in an MS-4 speaker. It came back from Dayton. The transmitter may not be plug-n-play; there may be issues with the antenna change over relay. Don't know what to ask for it all.

Howard, WA9RYF

----- Original Message -----
From: vk8hlf@... [DrakeRadio]
To: DrakeRadio@yahoogroups.com
Sent: Tuesday, May 22, 2018 8:09 AM
Subject: [DrakeRadio] VK wants a drake

good morning gents

I am looking to purchase a nice piece of drake gear weather it be a set of twins T4xc-R4c,, or a good transceiver TR-4C etc or better, in excellent working order, good ol quality american vintage gear is hard to find in VK, I have a mint condition for 25 years an L-4B and would like to finally pair it with a nice drake transmitter..

I know shipping gear O/S is not always easy so as long as your price is reasonable I will pay for your time

thank you for your time..

Cheers Greg VK8HLF

44513. TR4 fine on 40 metres but died on all other bands!

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 09:32:51 UTC
From: Damien Mannix
Topic: 44513 Message: 44513

My trusty TR4 has been idle for 18 months and was fine, all bands including the three 10 metre segments, when last used. Today it is fine on 40 metres but dead all other bands!

No transmit, except 40 metres, and no receive either from the antenna or the calibrator. Just circuit hiss which appears to be unaffected by the RF Tune control setting.

Any thoughts would be much appreciated and, thanks in advance.

Damien

G3XER

44514. re: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 12:47:45 UTC
From: Douglas Glenn
Topic: 44513 Message: 44514

Damien,

My first suggestion is using a good spray-on contact cleaner on the wafers of the band-switch while rotating the switch.

Doug - K3ZMG

From: "Damien Mannix damienmannix@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Saturday, May 26, 2018 4:32 AM
To: "drakeradio@yahoogroups.com" <drakeradio@yahoogroups.com>
Subject: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!

My trusty TR4 has been idle for 18 months and was fine, all bands including the three 10 metre segments, when last used. Today it is fine on 40 metres but dead all other bands!

No transmit, except 40 metres, and no receive either from the antenna or the calibrator. Just circuit hiss which appears to be unaffected by the RF Tune control setting.

Any thoughts would be much appreciated and, thanks in advance.

Damien

G3XER

44515. Re: re: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 13:28:51 UTC
From: Gene Giddings
Topic: 44513 Message: 44515

I had exactly the same problem only opposite. All bands worked fine except for 40. Found the sideband switch to be bad. I have removed it, reset the contact the best I could and burnished them. It is working for the time being but I want to find a new or different sideband switch to replace it with.
Band switch is also another good place to check tho.

Good LuckGeneAA1XD

On Saturday, May 26, 2018, 8:48:21 AM EDT, 'Douglas Glenn' dglenn@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Damien, My first suggestion is using a good spray-on contact cleaner on the wafers of the band-switch while rotating the switch. Doug - K3ZMG From: "Damien Mannix damienmannix@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Saturday, May 26, 2018 4:32 AM
To: "drakeradio@yahoogroups.com" <drakeradio@yahoogroups.com>
Subject: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!

My trusty TR4 has been idle for 18 months and was fine, all bands including the three 10 metre segments, when last used. Today it is fine on 40 metres but dead all other bands!

No transmit, except 40 metres, and no receive either from the antenna or the calibrator. Just circuit hiss which appears to be unaffected by the RF Tune control setting.

Any thoughts would be much appreciated and, thanks in advance.

Damien

G3XER

44516. Cant set meter sensitivity on R4A. Trimmer pot into stops

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 16:55:27 UTC
From: prosolar@...
Topic: 44516 Message: 44516

gang,

A Drake R4A followed me home from Hamvention. It's working, yet I'm stuck with a problem I can't track down

I can't set the meter's sensitivity.

The AGC is set at 1.35 V. I can zero the meter and the radio easily hears 1uV

but I can't set the s-meter to 30uV at s-9. I can move it around a bit, but the trimmer is into the stops

On 15 and 10 meters, I can hear 1uV, but the s-meter barely moves.

I've swapped out tubes, and found a few out of tolerance resistors.

Quite frankly, I'm out of magic

anyone have a idea or two

thanks

mike, wb8vge

44517. Where is C100 inside a drake R4C?

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 16:56:27 UTC
From: prosolar@...
Topic: 44517 Message: 44517

like the subject line says,

where in the world does C100 live under a R4C?

Mike, wb8vge

44518. K4OAH service cd

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 17:26:51 UTC
From: prosolar@...
Topic: 44518 Message: 44518

I know that K4OAH has passed away.

I noticed his website is still up and running. does anyone know if it is functional?

I'd very much like to get the files for a radio I'm working on, and I see you send $$ via paypal you can download those files

does anyone know if that system is still running?

thanks

Mike, wb8vge

44519. Re: [DrakeRadio] Where is C100 inside a drake R4C?

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 18:06:01 UTC
From: Steve Toth
Topic: 44517 Message: 44519

According to a previous post I found it is in the audio amp, original value .22ufd, change to .68ufd to boost the low audio response. - Steve W7SJT
"Always look for a positive solution then Improvise, Adapt, and Overcome"- adaptation of the U.S. Marine Corps motto
"Every day is an opportunity to challenge the achievement of your dreams"
"Success is not final, failure is not fatal. It is the courage to continue that counts."- Winston Churchill

From: "prosolar@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com
Sent: Saturday, May 26, 2018 10:05 AM
Subject: [DrakeRadio] Where is C100 inside a drake R4C?

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like the subject line says,
where in the world does C100 live under a R4C?
Mike, wb8vge

44520. Re: [DrakeRadio] K4OAH service cd

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 18:11:11 UTC
From: Brian Smith
Topic: 44518 Message: 44520

I know that there was some discussion after Gary passed away about giving his family a chance to grieve. Some of the folks on the group know his family and will approach them at the appropriate time about continuing the CD services. That was right after Gary’s passing. I have not heard an update recently though

Brian Smith

> On May 26, 2018, at 12:26 PM, prosolar@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
> I know that K4OAH has passed away.
>
> I noticed his website is still up and running. does anyone know if it is functional?
>
> I'd very much like to get the files for a radio I'm working on, and I see you send $$ via paypal you can download those files
>
> does anyone know if that system is still running?
>
> thanks
>
> Mike, wb8vge
>
>
>

44521. Re: [DrakeRadio] Cant set meter sensitivity on R4A. Trimmer pot into stops

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 19:04:03 UTC
From: Richard Knoppow
Topic: 44516 Message: 44521

If the R4B is similar to the R4A there are three adjustments:
1, The -1.35V bias, measured at TP-2
2, The S meter zero adjustment, set with no signal to read S-1
3, The meter full scale adjustment, set the RF gain for -15 Volts at TP-2, then set the meter sensitivity for S-9 +40db.
The Zero and Sensitivity interact so may require some juggling
The bias is very high impedance. I can tell the difference between a 10 megohm meter and a Hewlett-Packard 410B with 122 megohm input resistance. According to Garey Drake used Heathkit VTVMs at the factory with 11 megohm input resistance. Most modern electronic voltmeters have 10meg so should work fine but remember to disconnect the meter after setting the bias and before doing other adjustments.
The high impedance of the AVC line is also why the set is sensitive to even slightly gassy tubes. I discovered that a gassy tube will affect the release time and cause the zero to vary with the AVC speed setting. It should remain the same for Fast, Slow, and Manual.
If you have a calibrated signal generator the S-Meter should read S-9 at about 30 uV. The input impedance of the R4B measures very close to 50 ohms when the tuning is peaked so should match a 50 ohm output generator. It may not be exactly on the nose but should be close. The S units are 5db rather than the 6db found on many other receivers.
See if the adjustment procedure above works better. If not there is a problem and we can try to find it.
On 5/26/2018 9:55 AM, prosolar@... [DrakeRadio] wrote:
>
>
> gang,
>
> A Drake R4A followed me home from Hamvention. It's working, yet
> I'm stuck with a problem I can't track down
>
> I can't set the meter's sensitivity.
>
> The AGC is set at 1.35 V. I can zero the meter and the radio
> easily hears 1uV
>
> but I can't set the s-meter to 30uV at s-9. I can move it around
> a bit, but the trimmer is into the stops
>
> On 15 and 10 meters, I can hear 1uV, but the s-meter barely moves.
>

> I've swapped out tubes, and found a few out of tolerance resistors.
>
> Quite frankly, I'm out of magic
>
> anyone have a idea or two
>
> thanks
>
> mike, wb8vge
>
>
>
>
>
> --
> Posted by: prosolar@...
> --

--
Richard Knoppow
1oldlens1@...
WB6KBL

44522. Re: [DrakeRadio] Where is C100 inside a drake R4C?

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 19:17:25 UTC
From: Steve Toth
Topic: 44517 Message: 44522

the previous post should have stated "low end frequency" audio response" - changing c100 improves bass response in the audio - Steve W7SJT "Always look for a positive solution then Improvise, Adapt, and Overcome"- adaptation of the U.S. Marine Corps motto
"Every day is an opportunity to challenge the achievement of your dreams"
"Success is not final, failure is not fatal. It is the courage to continue that counts."- Winston Churchill

From: "Steve Toth stoth47@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: "DrakeRadio@yahoogroups.com" <DrakeRadio@yahoogroups.com>; "prosolar@..." <prosolar@...>
Sent: Saturday, May 26, 2018 11:07 AM
Subject: Re: [DrakeRadio] Where is C100 inside a drake R4C?

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"Every day is an opportunity to challenge the achievement of your dreams"
"Success is not final, failure is not fatal. It is the courage to continue that counts."- Winston Churchill

From: "prosolar@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
To: DrakeRadio@yahoogroups.com
Sent: Saturday, May 26, 2018 10:05 AM
Subject: [DrakeRadio] Where is C100 inside a drake R4C?

#yiv3275423383 #yiv3275423383 -- .yiv3275423383ygrp-photo-title{clear:both;font-size:smaller;min-height:15px;overflow:hidden;text-align:center;width:75px;}#yiv3275423383 div.yiv3275423383ygrp-photo{background-position:center;background-repeat:no-repeat;background-color:white;border:1px solid black;min-height:62px;width:62px;}#yiv3275423383

div.yiv3275423383photo-title a, #yiv3275423383 div.yiv3275423383photo-title a:active, #yiv3275423383 div.yiv3275423383photo-title a:hover, #yiv3275423383 div.yiv3275423383photo-title a:visited {text-decoration:none;}#yiv3275423383 div.yiv3275423383attach-table div.yiv3275423383attach-row {clear:both;}#yiv3275423383 div.yiv3275423383attach-table div.yiv3275423383attach-row div {float:left;}#yiv3275423383 p {clear:both;padding:15px 0 3px 0;overflow:hidden;}#yiv3275423383 div.yiv3275423383ygrp-file {width:30px;}#yiv3275423383 div.yiv3275423383attach-table div.yiv3275423383attach-row div div a {text-decoration:none;}#yiv3275423383 div.yiv3275423383attach-table div.yiv3275423383attach-row div div span {font-weight:normal;}#yiv3275423383 div.yiv3275423383ygrp-file-title {font-weight:bold;}#yiv3275423383 #yiv3275423383 #yiv3275423383 -- #yiv3275423383ygrp-mkp {border:1px solid #d8d8d8;font-family:Arial;margin:10px 0;padding:0 10px;}#yiv3275423383 #yiv3275423383ygrp-mkp hr {border:1px solid #d8d8d8;}#yiv3275423383 #yiv3275423383ygrp-mkp #yiv3275423383hd {color:#628c2a;font-size:85%;font-weight:700;line-height:122%;margin:10px 0;}#yiv3275423383 #yiv3275423383ygrp-mkp #yiv3275423383ads {margin-bottom:10px;}#yiv3275423383 #yiv3275423383ygrp-mkp .yiv3275423383ad {padding:0 0;}#yiv3275423383 #yiv3275423383ygrp-mkp .yiv3275423383ad p {margin:0;}#yiv3275423383 #yiv3275423383ygrp-mkp .yiv3275423383ad a {color:#0000ff;text-decoration:none;}#yiv3275423383

like the subject line says,
where in the world does C100 live under a R4C?
Mike, wb8vge

44523. re: [DrakeRadio] Cant set meter sensitivity on R4A. Trimmer pot into stops

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 20:20:27 UTC
From: Douglas Glenn
Topic: 44516 Message: 44523

Mike,

Part of your problem might be that you are setting S9 at 30 uV instead of 50 uV.

My TR-4 is dead on S9 at 50uV and tracks 10 and 20 dB both up and down after more than 50 years.

They just don't build them like they used to.

Doug - K3ZMG

From: "prosolar@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Saturday, May 26, 2018 11:56 AM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] Cant set meter sensitivity on R4A. Trimmer pot into stops

gang,

A Drake R4A followed me home from Hamvention. It's working, yet I'm stuck with a problem I can't track down

I can't set the meter's sensitivity.

The AGC is set at 1.35 V. I can zero the meter and the radio easily hears 1uV

but I can't set the s-meter to 30uV at s-9. I can move it around a bit, but the trimmer is into the stops

On 15 and 10 meters, I can hear 1uV, but the s-meter barely moves.

I've swapped out tubes, and found a few out of tolerance resistors.

Quite frankly, I'm out of magic

anyone have a idea or two

thanks

mike, wb8vge

44524. Re: [DrakeRadio] K4OAH service cd

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 20:38:05 UTC
From: Steve Wedge
Topic: 44518 Message: 44524

Garey's widow, Carol, had emailed me that I could pay for my order via PP
but it has been about a week with no CD yet, so I think she may have got
swamped.

Patience.

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sat, May 26, 2018 at 2:11 PM, Brian Smith k9bps@yahoo.com [DrakeRadio] <
DrakeRadio@yahoogroups.com> wrote:

>
>
> I know that there was some discussion after Gary passed away about giving
> his family a chance to grieve. Some of the folks on the group know his
> family and will approach them at the appropriate time about continuing the
> CD services. That was right after Gary’s passing. I have not heard an
> update recently though
>
> Brian Smith
>
> On May 26, 2018, at 12:26 PM, prosolar@gmail.com [DrakeRadio] <
> DrakeRadio@yahoogroups.com> wrote:
>
>
>
>
> I know that K4OAH has passed away.
>
> I noticed his website is still up and running. does anyone know if it is
> functional?
>
> I'd very much like to get the files for a radio I'm working on, and I see
> you send $$ via paypal you can download those files
>
> does anyone know if that system is still running?
>
> thanks
>
> Mike, wb8vge
>
>
>
>

44525. Re: Cant set meter sensitivity on R4A. Trimmer pot into stops

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 20:49:31 UTC
From: prosolar@...
Topic: 44516 Message: 44525

Richard and the group,

Well now that makes more sense.

I have to ask this first.

I hope that one has to turn off the avc and make the adjustments because when it's in slow or fast, there is no way I can come up with those voltage values.

so with the AGC turned off....

I have adjusted the TP-2 to 1.35 volts. I have several high impedance meters, some over 200mΩ input, and of course a trusty Heathkit VTVM.

Adjusted TP-2 to 1.35 V
set meter to 1
Adjusted the RF gain for 15V at TP-2
Set meter sensitivity to S-40 over.

S meter sensitivity trimmer is still in the stops.

30 uV on 14.150 puts the meter's needle a hair under s-9.

Just for grins, I can hear the signal generator at .1uV, which I know is silly because the noise level is a zillion times stronger.

I'm wondering if this is going to be as good as it gets, the radio certainly hears fine, it's just that the s-meter seems a bit goofy.

I'm Mike, WB8VGE

44526. Re: [DrakeRadio] Re: Cant set meter sensitivity on R4A. Trimmer pot into stops

Yahoo group: DrakeRadio (2018)
Date: 2018-05-26 21:44:24 UTC
From: Richard Knoppow
Topic: 44516 Message: 44526

You should be able to make the adjustments with any AVC setting. There is something wrong if you can't set it with the AVC in either speed. When set correctly the meter should pin upscale with the Gain set for minimum. I don't remember how much margin the sensitivity control has for the 40 over 9 setting but it seems to me it was not close to its limit.
Swapping tubes would be my first move but you have already done that. The handbook has voltage charts. I have to look at my B handbook to refresh myself on voltages and where to measure them. Although I have an A handbook its not as readable, my B is off Garey's CD and the A is off BAMA or somewhere.
Always start with the power supply. The bias supply should be -80 volts at the cathode of C-91 with little ripple. Low voltage there could indicate a bad cap or else something drawing down the line. You might try substituting a new cap for C-91. Its a can cap. Lift the lead and connect a new cap there. If C-91 is leaky paralleling it with another just keeps the leakage. Also, if you have a scope check the ripple on this line. If there are gassy tubes they will cause high ripple even if the cap is good.
I will do some research and see what else I can find.
This is another place where Garey Barrel is missed, I think he would have known the answer off the top of his head.

On 5/26/2018 1:49 PM, prosolar@... [DrakeRadio] wrote:
>
>
> Richard and the group,
>
> Well now that makes more sense.
>
> I have to ask this first.
>
> I hope that one has to turn off the avc and make the adjustments
> because when it's in slow or fast, there is no way I can come up
> with those voltage values.
>
> so with the AGC turned off....
>
> I have adjusted the TP-2 to 1.35 volts. I have several high
> impedance meters, some over 200mΩ input, and of course a trusty
> Heathkit VTVM.
>
> Adjusted TP-2 to 1.35 V

> set meter to 1
> Adjusted the RF gain for 15V at TP-2
> Set meter sensitivity to S-40 over.
>
> S meter sensitivity trimmer is still in the stops.
>
> 30 uV on 14.150 puts the meter's needle a hair under s-9.
>
> Just for grins, I can hear the signal generator at .1uV, which I
> know is silly because the noise level is a zillion times stronger.
>
> I'm wondering if this is going to be as good as it gets, the
> radio certainly hears fine, it's just that the s-meter seems a
> bit goofy.
>
> I'm Mike, WB8VGE

--
Richard Knoppow
1oldlens1@...
WB6KBL

44527. Dayton 2018 Drake Presentations?

Yahoo group: DrakeRadio (2018)
Date: 2018-05-27 01:44:38 UTC
From: bernard.murphy@...
Topic: 44527 Message: 44527

Can the appropriate presenters post their slides?

That would be great.

73, Bernie

44528. Re: Where is C100 inside a drake R4C?

Yahoo group: DrakeRadio (2018)
Date: 2018-05-27 01:50:07 UTC
From: bernard.murphy@...
Topic: 44517 Message: 44528

In the middle of board 2.

73, Bernie

44529. Re: re: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!

Yahoo group: DrakeRadio (2018)
Date: 2018-05-27 12:20:46 UTC
From: Damien Mannix
Topic: 44513 Message: 44529

Thank you very much Doug and Gene.

I notice some switch cleaners claim to leave nothing after use whilst others boast that they leave a 'protective, conducting, lubricating film'. Which would be better for my purpose?

Damien

G3XER

From: DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf of Gene Giddings aa1xd@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
Sent: 26 May 2018 13:28
To: 'Douglas Glenn' dglenn@... [DrakeRadio]
Subject: Re: re: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!

I had exactly the same problem only opposite. All bands worked fine except for 40. Found the sideband switch to be bad. I have removed it, reset the contact the best I could and burnished them. It is working for the time being but I want to find a new or different sideband switch to replace it with.
Band switch is also another good place to check tho.

Good Luck
Gene
AA1XD

On Saturday, May 26, 2018, 8:48:21 AM EDT, 'Douglas Glenn' dglenn@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

Damien,

My first suggestion is using a good spray-on contact cleaner on the wafers of the band-switch while rotating the switch.

Doug - K3ZMG

From: "Damien Mannix damienmannix@... [DrakeRadio]" <DrakeRadio@yahoogroups.com>
Sent: Saturday, May 26, 2018 4:32 AM
To: "drakeradio@yahoogroups.com" <drakeradio@yahoogroups.com>
Subject: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!

My trusty TR4 has been idle for 18 months and was fine, all bands including the three 10 metre segments, when last used. Today it is fine on 40 metres but dead all other bands!

No transmit, except 40 metres, and no receive either from the antenna or the calibrator. Just circuit hiss which appears to be unaffected by the RF Tune control setting.

Any thoughts would be much appreciated and, thanks in advance.

Damien

G3XER

44530. RE: re: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!

Yahoo group: DrakeRadio (2018)
Date: 2018-05-27 12:37:34 UTC
From: Joe
Topic: 44513 Message: 44530

I only use DeoxIT on electrical switches. In fact, even though I have a can, I don't (Won't!) use the spray. DeoxIT is too expensive to waste on a spray, and, I can't concentrate on 1 'target' easily. A toothpick and a small drop on each switch contact, then rotating the switch 2-x times, will do the job.

https://www.amazon.co.uk/s/ref=nb_sb_noss_2?url=search-alias%3Daps <https://www.amazon.co.uk/s/ref=nb_sb_noss_2?url=search-alias%3Daps&field-keywords=deoxIT> &field-keywords=deoxIT

But. That is just me. Everyone has their own noisy or lost contact 'repairs'.

Joe - W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: re: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!

Thank you very much Doug and Gene.

I notice some switch cleaners claim to leave nothing after use whilst others boast that they leave a 'protective, conducting, lubricating film'. Which would be better for my purpose?

Damien

G3XER

44531. Re: RE: re: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!

Yahoo group: DrakeRadio (2018)
Date: 2018-05-27 12:44:59 UTC
From: Gene Giddings
Topic: 44513 Message: 44531

Not just you Joe......I have done the same thing. Good trick to know.

On Sunday, May 27, 2018, 8:38:47 AM EDT, Joe w7rkn.7@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I only use DeoxIT on electrical switches. In fact, even though I have a can, I don't (Won't!) use the spray. DeoxIT is too expensive to waste on a spray, and, I can't concentrate on 1 'target' easily. A toothpick and a small drop on each switch contact, then rotating the switch 2-x times, will do the job.

https://www.amazon.co.uk/s/ref=nb_sb_noss_2?url=search-alias%3Daps&field-keywords=deoxIT

But. That is just me. Everyone has their own noisy or lost contact 'repairs'.

Joe – W7RKN

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Subject: Re: re: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!

Thank you very much Doug and Gene.

I notice some switch cleaners claim to leave nothing after use whilst others boast that they leave a 'protective, conducting, lubricating film'. Which would be better for my purpose?

Damien

G3XER

44532. Re: re: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!

Yahoo group: DrakeRadio (2018)
Date: 2018-05-27 13:10:34 UTC
From: Steve Wedge
Topic: 44513 Message: 44532

Damien, if you can get some DeOxIt, it does leave a film which helps maintain contact. Regardless of what you use, you should apply just a little bit to the wafer conductor only, avoiding touching the spring contacts themselves. I use a Q-Tip (cotton bud). It's important to not get these fluids on the non-conductive wafers themselves. Some rotary switches will need to be rotated to get to all of the conductive surface and bear in mind that many of these switches have two sides.

73,

Steve Wedge, W1ES/4

Time flies like an arrow; fruit flies like a banana.

On Sun, May 27, 2018 at 8:20 AM, Damien Mannix damienmannix@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

>
>
> Thank you very much Doug and Gene.
>
>
> I notice some switch cleaners claim to leave nothing after use whilst
> others boast that they leave a 'protective, conducting, lubricating film'.
> Which would be better for my purpose?
>
>
> Damien
>
> G3XER
>
> ------------------------------
> *From:* DrakeRadio@yahoogroups.com <DrakeRadio@yahoogroups.com> on behalf
> of Gene Giddings aa1xd@... [DrakeRadio] <DrakeRadio@yahoogroups.com>
> *Sent:* 26 May 2018 13:28
> *To:* 'Douglas Glenn' dglenn@tnweb.com [DrakeRadio]
> *Subject:* Re: re: [DrakeRadio] TR4 fine on 40 metres but died on all
> other bands!
>
>
>
> I had exactly the same problem only opposite. All bands worked fine
> except for 40. Found the sideband switch to be bad. I have removed it,
> reset the contact the best I could and burnished them. It is working for
> the time being but I want to find a new or different sideband switch to
> replace it with.

> Band switch is also another good place to check tho.
>
> Good Luck
> Gene
> AA1XD
>
> On Saturday, May 26, 2018, 8:48:21 AM EDT, 'Douglas Glenn'
> dglenn@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>
>
>
>
> Damien,
>
> My first suggestion is using a good spray-on contact cleaner on the wafers
> of the band-switch while rotating the switch.
>
> Doug - K3ZMG
>
> ------------------------------
> *From*: "Damien Mannix damienmannix@... [DrakeRadio]" <
> DrakeRadio@yahoogroups.com>
> *Sent*: Saturday, May 26, 2018 4:32 AM
> *To*: "drakeradio@yahoogroups.com" <drakeradio@yahoogroups.com>
> *Subject*: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!
>
>
>
>
>
> My trusty TR4 has been idle for 18 months and was fine, all bands
> including the three 10 metre segments, when last used. Today it is fine on
> 40 metres but dead all other bands!
>
>
>
> No transmit, except 40 metres, and no receive either from the antenna or
> the calibrator. Just circuit hiss which appears to be unaffected by the RF
> Tune control setting.
>
>
>
> Any thoughts would be much appreciated and, thanks in advance.
>
>
>
> Damien
>
> G3XER
>

>
>
>
>

44533. Re: [DrakeRadio] Dayton 2018 Drake Presentations?

Yahoo group: DrakeRadio (2018)
Date: 2018-05-27 15:36:55 UTC
From: VE7PS
Topic: 44527 Message: 44533

Bernie:

They will be posted once some additions have been made to the slides to correct for some software incompatibility issues, and I want to add some notes that were spoken, but not captured on slides or on video. Usually the forum is videoed, but that did not happen for some reason this year. Probably just as well, as the slides will be better viewed as a PDF anyways. The lighting in the room was not great, being too bright in the front of the room.

I just got back home at 11 pm Thursday night, surviving a harrowing "dodge the deer" trip from the airport in Kelowna to Grand Forks, not an unusual thing for dusk travel in these parts, but this was by far the worst I have experienced. You may have seen on the national news that this little town has experienced its worst ever flooding in recent weeks. In fact, I left for Ontario/Ohio just after the 1st peak, which exceeded the 1948 record flood by almost 2-1/2 feet. Many homes have been destroyed, and many, many more require extensive repairs, including those of some ham friends. Our own home is fine, being 35' or so above the high water mark, but neighbours 300 yards down the road, and the hill, suffered much damage. I spent yesterday ripping walls and insulation out of VE7NRD's almost new home yesterday, and will be back there again today. Mold is already growing in the walls. Getting to his house can only be done by 4WD truck as there is still water across the road and driveway.

I will get to finishing off the slides for Mark, WB0IQK, as soon as it seems reasonable to do so. I suspect Mark will then post these to Ron's website. Thanks for your understanding.

73,
Peter
VE7PS

On 5/26/2018 6:44 PM, bernard.murphy@... [DrakeRadio] wrote:
>
> Can the appropriate presenters post their slides?
>
>
> That would be great.
>
>
> 73, Bernie
>
>

This email has been checked for viruses by AVG.
http://www.avg.com

44534. Re: [DrakeRadio] Dayton 2018 Drake Presentations?

Yahoo group: DrakeRadio (2018)
Date: 2018-05-27 17:35:05 UTC
From: Jerry Kessler
Topic: 44527 Message: 44534

Peter,

Thank you very much for your fine presentation at
the Drake Forum on servicing the 4-Line
PTO. Although I have a full page of notes from
your discussion, the actual slides will provide
the ultimate guidance in taking on the task. Thanks again!

Jerry Kessler
N4JL

At 11:36 AM 5/27/2018, VE7PS ve7ps@... [DrakeRadio] wrote:
>
>
>Bernie:
>
>They will be posted once some additions have
>been made to the slides to correct for some
>software incompatibility issues, and I want to
>add some notes that were spoken, but not
>captured on slides or on video.Â Usually the
>forum is videoed, but that did not happen for
>some reason this year.Â Probably just as well,
>as the slides will be better viewed as a PDF
>anyways.Â The lighting in the room was not
>great, being too bright in the front of the room.
>
>I just got back home at 11 pm Thursday night,
>surviving a harrowing "dodge the deer" trip from
>the airport in Kelowna to Grand Forks, not an
>unusual thing for dusk travel in these parts,
>but this was by far the worst I have
>experienced.Â You may have seen on the national
>news that this little town has experienced its
>worst ever flooding in recent weeks. In fact, I
>left for Ontario/Ohio just after the 1st peak,
>which exceeded the 1948 record flood by almost
>2-1/2 feet.Â Many homes have been destroyed,
>and many, many more require extensive repairs,
>including those of some ham friends.Â Our own
>home is fine, being 35' or so above the high
>water mark, but neighbours 300 yards down the
>road, and the hill, suffered much damage.Â I
>spent yesterday ripping walls and insulation out
>of VE7NRD's almost new home yesterday, and will
>be back there again today.Â Mold is already

>growing in the walls.Â Getting to his house can
>only be done by 4WD truck as there is still
>water across the road and driveway.Â
>
>I will get to finishing off the slides for Mark,
>WB0IQK, as soon as it seems reasonable to do
>so.Â I suspect Mark will then post these to
>Ron's website.Â Thanks for your understanding.
>
>73,
>Peter
>VE7PS
>
>On 5/26/2018 6:44 PM,
><mailto:bernard.murphy@...>bernard.murphy@... [DrakeRadio] wrote:
>>Â
>>
>>Can the appropriate presenters post their slides?
>>
>>
>>That would be great.
>>
>>
>>73, Bernie
>
>
><http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-ema
il&utm_content=emailclient>
>[]
> Virus-free.
> <http://www.avg.com/email-signature?utm_medium=email&utm_source=link&utm_campaign=sig-em
ail&utm_content=emailclient>www.avg.com
>
>

44535. Re: [DrakeRadio] TR4 fine on 40 metres but died on all other bands!

Yahoo group: DrakeRadio (2018)
Date: 2018-05-27 18:43:21 UTC
From: Richard Knoppow
Topic: 44513 Message: 44535

I have tested Deoxit 5 using bakelite terminal strips. It
left no conducting residue. I used two meters capable of
measuring extremely high resistance, one a General Radio meter
which can discriminate between 20 million megohms and infinity. I
also tried a couple of common solvents which did increase the
conductivity of the insulation despite days of drying out. Deoxit
may leave something on the metal but it does not seem to be
conductive. I've also tried Faderlube on switches, it seems to
work well for snap switches. I did not test for leakage resistance.

On 5/27/2018 5:20 AM, Damien Mannix damienmannix@...
[DrakeRadio] wrote:
>
>
> Thank you very much Doug and Gene.
>
>
> I notice some switch cleaners claim to leave nothing after use
> whilst others boast that they leave a 'protective, conducting,
> lubricating film'.? Which would be better for my purpose?
>
>
> Damien
>
> G3XER

--
Richard Knoppow
1oldlens1@...
WB6KBL

44536. WTB L4-B METER SWITCH

Yahoo group: DrakeRadio (2018)
Date: 2018-05-27 19:47:26 UTC
From: CEMILTON@...
Topic: 44536 Message: 44536

Good afternoon to the group. I'm restoring an L4-B and need a meter switch (S-3 on the schematic).

If anyone has a "junk" chassis and could spare that switch it would be appreciated. Any other suggestions for where one might be found would be appreciated as well.

Thanks

73
Chuck
W4MIL

チャーリー ミルトン

44537. RE: [DrakeRadio] Drake MN2700 problem

Yahoo group: DrakeRadio (2018)
Date: 2018-05-27 19:52:42 UTC
From: <todd@...>
Topic: 44490 Message: 44537

Gary,

First I could not see anything thing burned or obvious visually. I tested all they contacts with an ohm meter and they measured good. I did not see any burn traces.

To get the best SWR on 40 meters (1 : 1.7) I have to have the Reactive range switch maxed out at 30 and the dial maxed out at 10. When I tune the antenna with my MN7 it tunes 1:1. with the range switch at a minimum and the dials midrange. Also the antenna is still tuning 1:1 with the MN2700 on all the other bands except 40m.

If anyone has any ideas please let me know.

73,? Todd? K1TOD

-------- Original Message --------
Subject: Re: [DrakeRadio] Drake MN2700 problem
From: "MadScientist1948 dukeshifi@... [DrakeRadio]"
<DrakeRadio@yahoogroups.com>
Date: Thu, May 17, 2018 9:38 am
To: "WB6TNF handyjimbo@... [DrakeRadio]"
<DrakeRadio@yahoogroups.com>, todd <todd@...>

?

Most likely would be a contact on one of the switches has either gotten burned, resulting in high resistance connection.

Also possible would be a burn trace on one of the wafers, making a shunting path from a 40 meter contact to some place else, most likely to the shaft (ground).

Gary

On May 17, 2018, at 7:14 AM, todd@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:

I put up a 160m dipole that tuned up 1:1 across the entire bands for 10m thru 160m with my MN2700 tuner except 40m. I spent a considerable amount of time adjusting the antenna and feed line (600 ohm ladder line) lengths and the best SWR with the MN2700 I could get was 1 : 1.8. Yesterday I disconnected the MN2700 and installed a MN7 I had and it tuned up 1:1 across the entire 40m band. The MN2700 has a problem tuning 40m. Before I take the MN2700 apart I thought I would ask if anyone may have an idea of what the problem may be. Any input will be appreciated. 73,? Todd? K1TOD

44538. Re: Dayton 2018 Drake Presentations?

Yahoo group: DrakeRadio (2018)
Date: 2018-05-27 21:44:19 UTC
From: Mark Gilger
Topic: 44527 Message: 44538

The presentation will be posted once a few changes are made to the presentation.

73's,

Mark, WB0IQK

44539. Re: [DrakeRadio] Drake MN2700 problem

Yahoo group: DrakeRadio (2018)
Date: 2018-05-27 23:02:41 UTC
From: Gary Follett
Topic: 44490 Message: 44539

The MN-2700 schematic is difficult to follow, to the point that I firmly believe there is an error in the drawing. However, from what you describe, now that you have verified that the switches are OK, I would have a look at C 109, 108, 107 and 106.

These appear, if there is no error, to be the only parts where you would find something that only affects 40 meters.

Sent from my iPad

> On May 27, 2018, at 2:52 PM, <todd@...> <todd@toddsabin.com> wrote:
>
> Gary,
>
> First I could not see anything thing burned or obvious visually. I tested all they contacts with an ohm meter and they measured good. I did not see any burn traces.
>
> To get the best SWR on 40 meters (1 : 1.7) I have to have the Reactive range switch maxed out at 30 and the dial maxed out at 10. When I tune the antenna with my MN7 it tunes 1:1. with the range switch at a minimum and the dials midrange. Also the antenna is still tuning 1:1 with the MN2700 on all the other bands except 40m.
>
> If anyone has any ideas please let me know.
>
> 73, Todd K1TOD
>
>
>
>
>
> -------- Original Message --------
> Subject: Re: [DrakeRadio] Drake MN2700 problem
> From: "MadScientist1948 dukeshifi@... [DrakeRadio]"
> <DrakeRadio@yahoogroups.com>
> Date: Thu, May 17, 2018 9:38 am
> To: "WB6TNF handyjimbo@... [DrakeRadio]"
> <DrakeRadio@yahoogroups.com>, todd <todd@...>
>
> Most likely would be a contact on one of the switches has either gotten burned, resulting in high resistance connection.
>
> Also possible would be a burn trace on one of the wafers, making a shunting path from a 40 meter contact to some place else, most likely to the shaft (ground).
>
>
> Gary
>

>> On May 17, 2018, at 7:14 AM, todd@... [DrakeRadio] <DrakeRadio@yahoogroups.com> wrote:
>>
>>
>> I put up a 160m dipole that tuned up 1:1 across the entire bands for 10m thru 160m with my MN2700 tuner except 40m. I spent a considerable amount of time adjusting the antenna and feed line (600 ohm ladder line) lengths and the best SWR with the MN2700 I could get was 1 : 1.8. Yesterday I disconnected the MN2700 and installed a MN7 I had and it tuned up 1:1 across the entire 40m band. The MN2700 has a problem tuning 40m. Before I take the MN2700 apart I thought I would ask if anyone may have an idea of what the problem may be. Any input will be appreciated. 73, Todd K1TOD
>>
>
>

44540. Re: [DrakeRadio] Dayton 2018 Drake Presentations?

Yahoo group: DrakeRadio (2018)
Date: 2018-05-28 05:38:24 UTC
From: VE7PS
Topic: 44527 Message: 44540

Thanks for the kind words Jerry and I hope it is of some use.? I'll be making a page of more notes to preface the slides and will get them to Mark in a few days for posting to Ron's web site along with the presentation in PDF form I hope!

And if you are going to tackle one, I am always here to hand out free advice!

73
Peter
VE7PS

On 5/27/2018 10:35 AM, Jerry Kessler n4jl@... [DrakeRadio] wrote:
>
> Peter,
>
> Thank you very much for your fine presentation at the Drake Forum on
> servicing the 4-Line PTO.? Although I have a full page of notes from
> your discussion, the actual slides will provide the ultimate guidance
> in taking on the task.? Thanks again!
>
>
> Jerry Kessler
> N4JL
>
>
>
>
> At 11:36 AM 5/27/2018, VE7PS ve7ps@... [DrakeRadio] wrote:
>
>>
>>
>> Bernie:
>>
>> They will be posted once some additions have been made to the slides
>> to correct for some software incompatibility issues, and I want to
>> add some notes that were spoken, but not captured on slides or on
>> video.? Usually the forum is videoed, but that did not happen for
>> some reason this year. Probably just as well, as the slides will be
>> better viewed as a PDF anyways. The lighting in the room was not
>> great, being too bright in the front of the room.
>>
>> I just got back home at 11 pm Thursday night, surviving a harrowing
>> "dodge the deer" trip from the airport in Kelowna to Grand Forks, not
>> an unusual thing for dusk travel in these parts, but this was by far
>> the worst I have experienced. You may have seen on the national

>> news that this little town has experienced its worst ever flooding in
>> recent weeks. In fact, I left for Ontario/Ohio just after the 1st
>> peak, which exceeded the 1948 record flood by almost 2-1/2 feet.
>> Many homes have been destroyed, and many, many more require extensive
>> repairs, including those of some ham friends.? Our own home is fine,
>> being 35' or so above the high water mark, but neighbours 300 yards
>> down the road, and the hill, suffered much damage. I spent
>> yesterday ripping walls and insulation out of VE7NRD's almost new
>> home yesterday, and will be back there again today. Mold is already
>> growing in the walls. Getting to his house can only be done by 4WD
>> truck as there is still water across the road and driveway.?
>>
>> I will get to finishing off the slides for Mark, WB0IQK, as soon as
>> it seems reasonable to do so. I suspect Mark will then post these
>> to Ron's website. Thanks for your understanding.
>>
>> 73,
>> Peter
>> VE7PS
>>
>> On 5/26/2018 6:44 PM, bernard.murphy@...
>> <mailto:bernard.murphy@...> [DrakeRadio] wrote:
>>> ?
>>>
>>> Can the appropriate presenters post their slides?
>>>
>>>
>>> That would be great.
>>>
>>>
>>> 73, Bernie
>>
>>
>> []
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>> <#DAB4FAD8-2DD7-40BB-A1B8-4E2AA1F9FDF2>
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This email has been checked for viruses by AVG.
http://www.avg.com

44541. 2NT Parts Offered

Yahoo group: DrakeRadio (2018)
Date: 2018-05-28 16:20:41 UTC
From: Marty
Topic: 44541 Message: 44541

Ive got a number of 2NT parts left from my donor rig in my restore of my own 2NT. Email me off list for a pic of what's left. I'll let these go for essentially the cost of shipping, let me know if you need one or more of them. It was a difficult decision to part it out as it actually "worked" but copper was not redeemable. Parts used so far were put to good use.

Gone are: Transformer, meter, front panel, relay, LP (TVI) filter, filter cap, tubes, neon light bulb,

PA cage was painted black by some previous owner.

I'll make the same offer on QTH dot com in a few days, anything left will go in my junquebox or recycle.

73 Marty / W4MY
2B, 2NT/2C/2CS, T4XB/R4B/C4/MS4/AC4

44542. RE: [DrakeRadio] 2NT Parts Offered

Yahoo group: DrakeRadio (2018)
Date: 2018-05-29 00:23:56 UTC
From: rick gouge
Topic: 44541 Message: 44542
Attachments: 3 described; binary payloads are missing from this source WARC

I need a relay for my 2NT Drake… Know of any?

Rick VE7RiK

From: DrakeRadio@yahoogroups.com [mailto:DrakeRadio@yahoogroups.com]
Sent: May-28-18 9:21 AM
To: DrakeRadio@yahoogroups.com
Subject: [DrakeRadio] 2NT Parts Offered

Ive got a number of 2NT parts left from my donor rig in my restore of my own 2NT. Email me off list for a pic of what's left. I'll let these go for essentially the cost of shipping, let me know if you need one or more of them. It was a difficult decision to part it out as it actually "worked" but copper was not redeemable. Parts used so far were put to good use.

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2B, 2NT/2C/2CS, T4XB/R4B/C4/MS4/AC4